Government
Publications

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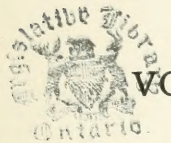
Ontario. Legislative assembly
Sessional papers.

SESSIONAL PAPERS.



VOL. XLII.—PART IV.

SECOND SESSION

OF THE

TWELFTH LEGISLATURE

OF THE

PROVINCE OF ONTARIO.

SESSION 1910.

TORONTO:
Printed and Published by L. K. CAMERON, Printer to the King's Most Excellent Majesty
1910.

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TORONTO

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LIST OF SESSIONAL PAPERS

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Colonization, Report of Bureau	74	"
Colonization Roads, amount paid for inspection	70	*Not Printed.*
Corn Growers', Report	35	*Printed.*
Dairymen's Association, Report	38	*Printed.*
Division Courts' Inspection, Report	5	"
Drainage; Money Loaned for	71	*Not Printed.*
Education, Report	16	*Printed.*
Education, Orders in Council	56	*Not Printed.*
Education, County Model School Certificates Granted to Teachers	67	"
Education, Permits and Extensions Granted	72	"
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Emigrants brought by Salvation Army	78	*Not Printed.*
Entomological Society, Report	36	*Printed.*
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Fiat, Cases where necessary	77	*Not Printed.*
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Fruit Branch, Report	33	"
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Game and Fish, Report	13	*Printed.*
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No. 2.... Estimates for the service of the Province until the Estimates of the year are finally passed. Presented to the Legislature, 28th January, 1909. *Not Printed.* Supplementary Estimates for the year 1909-10. Presented to the Legislature, 1st and 28th February, 1910. *Printed.* Estimates for the year ending 31st October, 1911. Presented to the Legislature, 7th March, 1910. *Printed.*

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No. 3..... Report of the Minister of Lands, Forests and Mines of the Province for the year 1909. Presented to the Legislature, 14th March, 1910. *Printed.*

No. 4..... Report of the Bureau of Mines, for the year 1909. Presented to the Legislature, 10th March, 1910. *Printed.*

No. 5.... Report of the Inspector of Division Courts, for the year 1909. Presented to the Legislature, 8th February, 1910. *Printed.*

No. 6..... Report of the Inspector of Legal Offices, for the year 1909. Presented to the Legislature, 8th March, 1910. *Printed.*

No. 7..... Report of the Inspector of Registry Offices, for the year 1909. Presented to the Legislature, 8th March, 1910. *Printed.*

No. 8..... Report of the Provincial Municipal Auditor, for the year 1909. Presented to the Legislature, 14th March, 1910. *Printed.*

No. 9.... Report of the Commissioners for the Queen Victoria Niagara Falls Park, for the year 1909. Presented to the Legislature, 4th March, 1910. *Printed.*

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No. 10.... Report of the Inspector of Insurance and Registrar of Friendly Societies for the year 1909. Presented to the Legislature, 18th February, 1910. *Printed.*

No. 11.... Financial Statements made by Loan Corporations, Building Societies, Loaning Land Companies and Trust Companies, for the year 1909. Presented to the Legislature, 18th February, 1910. *Printed.*

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No. 12.... Report of the Minister of Public Works, for the year 1909. Presented to the Legislature, 14th February, 1910. *Printed.*

No. 13.... Report of the Game and Fisheries Department, for the year 1909. Presented to the Legislature, 18th February, 1910. *Printed.*

No. 14.... Report on Highway Improvement in Ontario, for the year 1909. Presented to the Legislature, 14th February, 1910. *Printed.*

No. 15.... Report of the Bureau of Labour of Ontario, for the year 1909. Presented to the Legislature, 14th March, 1910. *Printed.*

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No. 16.... Report of the Minister of Education, for the year 1909. Presented to the Legislature, 21st February, 1910. *Printed.*

No. 17.... Report of the Board of Governors of the University of Toronto, for the year ending 30th June, 1909. Presented to the Legislature, 27th January, 1910. *Printed.*

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No. 18.... Report of the Secretary and Registrar of Ontario, for the year 1909. Presented to the Legislature, 4th March, 1910. *Printed.*

No. 19.... Report of the Registrar-General, relating to the Registration of Births, Marriages and Deaths, for the year 1908. Presented to the Legislature, 21st February, 1910. *Printed.*

No. 20.... Report of the Provincial Board of Health, for the year 1909. Presented to the Legislature, 21st February, 1910. *Printed.*

No. 21.... Report upon the Hospitals for the Insane of Ontario, for the year ending 30th September, 1909. Presented to the Legislature, 8th March, 1910. *Printed.*

No. 22.... Report upon the Hospital for Idiots and Epileptics, for the year 1909. Presented to the Legislature, 8th March, 1910. *Printed.*

No. 23.... Report upon the Feeble-Minded in Ontario, for the year 1909. Presented to the Legislature, 9th March, 1910. *Printed.*

No. 24.... Report upon the Hospitals and Charities of Ontario, for the year ending 30th September, 1909. Presented to the Legislature, 8th March, 1910. *Printed.*

No. 25.... Report upon the Common Gaols, Prisons, and Reformatories of Ontario, for the year ending 30th September, 1909. Presented to the Legislature, 14th March, 1910. *Printed.*

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No. 26.... Report on Neglected and Dependent Children in Ontario, for the year 1909. Presented to the Legislature, 8th March, 1910. *Printed.*

No. 27.... Report upon the Operation of the Liquor License Acts in Ontario, for the year 1909. Presented to the Legislature, 10th March, 1910. *Printed.*

No. 28.... Report of the Department of Agriculture, for the year 1909. Presented to the Legislature, 14th March, 1910. *Printed.*

No. 29.... Report of the Ontario Agricultural College and Experimental Farm, for the year 1909. Presented to the Legislature, 10th March, 1910. *Printed.*

No. 30.... Report of the Ontario Veterinary College, for the year 1909. Presented to the Legislature, 10th March, 1910. *Printed.*

No. 31.... Report of the Ontario Agricultural and Experimental Union, for the year 1909. Presented to the Legislature, 10th March, 1910. *Printed.*

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No. 32.... Report of the Fruit Growers' Association of Ontario, for the year 1909. Presented to the Legislature, 10th March, 1910. *Printed.*

No. 33.... Report of the Fruit Branch of the Department of Agriculture, for the year 1909. Presented to the Legislature, 10th March, 1910. *Printed.*

No. 34.... Report of the Ontario Vegetable Growers' Association, for the year 1909. Presented to the Legislature, 10th March, 1910. *Printed.*

No. 35.... Report of the Ontario Corn Growers for the year 1909. Presented to the Legislature, 10th March, 1910. *Printed.*

No. 36.... Report of the Entomological Society of Ontario, for the year 1909. Presented to the Legislature, 10th March, 1910. *Printed.*

No. 37.... Report of the Ontario Bee-Keepers' Association, for the year 1909. Presented to the Legislature, 10th March, 1910. *Printed.*

No. 38.... Report of the Dairymen's Associations of Ontario, for the year 1909. Presented to the Legislature, 10th March, 1910. *Printed.*

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No. 39.... Report of the Live Stock Associations of Ontario, for the year 1909. Presented to the Legislature, 4th February, 1910. *Printed.*

No. 40.... Report of the Farmers' Institutes of Ontario, for the year 1909. Presented to the Legislature, 4th February, 1910. *Printed.*

No. 41.... Report of the Women's Institutes of Ontario, for the year 1909. Presented to the Legislature, 4th February, 1910. *Printed.*

No. 42.... Report of the Poultry Institute of the Province of Ontario, for the year 1909. Presented to the Legislature, 4th February, 1910. *Printed.*

No. 43.... Report of the Agricultural Societies of Ontario, for the year 1909. Presented to the Legislature, 4th February, 1910. *Printed.*

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No. 44.... Report of the Horticultural Societies of Ontario, for the year 1909. Presented to the Legislature, 10th March, 1910. *Printed.*

No. 45.... Report of the Bureau of Industries of Ontario, for the year 1909. Presented to the Legislature, 10th March, 1910. *Printed.*

No. 46.... Report of the Inspectors of Factories of Ontario, for the year 1909. Presented to the Legislature, 10th March, 1910. *Printed.*

No. 47.... Report of the Temiskaming and Northern Ontario Railway Commission, for the year 1909. Presented to the Legislature, 27th January, 1910. *Printed.*

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No. 48.... Return to an Order of the House of the Twenty-first day of February, 1910, for a Return shewing: (*a*) What is the area of the Gillies Limit. (*b*) How much of the area has been reported to the Government to be mineralized. (*c*) How much of the area has been prospected. (*d*) How much of the area has been sold. (*e*) What are the dates of the respective sales, the amount sold in each case, the names of the purchasers and the prices obtained in each case. Presented to the Legislature, 9th March, 1910. Mr. *McDougal. Not Printed.*

No. 49.... Report of the Ontario Railway and Municipal Board, for the year 1909. Presented to the Legislature, 1st February, 1910. *Printed.*

No. 50.... A Return from the Records of the General and Subsequent Elections to the Legislative Assembly on the 8th day of June, 1908, shewing:—(1) The number of Votes Polled for each Candidate in each Electoral District in which there was a contest; (2) The majority whereby each successful Candidate was returned; (3) The total number of Votes Polled; (4) The number of Votes remaining unpolled; (5) The number of names on the Polling Lists; (6) The number of Ballot Papers sent out to each Polling Place; (7) The Used Ballot Papers; (8) The Unused Ballot Papers; (9) The Rejected Ballot Papers; (10) The Cancelled Ballot Papers; (11) The Declined Ballot Papers; (12) The Ballot Papers taken from Polling Places; (13) A General Summary of Votes cast in each Electoral District; (14) A similar statement as to any Elections held since the General Election. Presented to the Legislature, 26th January, 1910. *Printed.*

No. 51.... Report upon the Archives of the Province, for the year 1909. Presented to the Legislature, 8th March, 1910. *Printed.*

No. 52.... Report of the Librarian on the state of the Library. Presented to the Legislature, 27th January, 1910. *Printed.*

No. 53.... Agreement and Contract with William Briggs, D.D., Book Steward of the Methodist Church, in connection with the Printing and Binding for the Legislative Assembly of Ontario. Presented to the Legislature, 26th January, 1910. *Printed.*

No. 54.... Agreement and Contract with E. H. Harcourt Company, Limited, in connection with the Binding, etc., for the Legislative Assembly of Ontario. Presented to the Legislature, 26th January, 1910. *Printed.*

No. 55.... Report of the Milk Commission appointed to enquire into the production, care and distribution of Milk. Presented to the Legislature, 21st February, 1910. *Printed*

No. 56.... Copies of Regulations and Orders in Council in the matter of Education, made pursuant to the provisions of 6 Edward VII., Cap. 52, Section 27, since the last Session of the Legislature. Presented to the Legislature, 27th January, 1910. *Not printed.*

No. 57.... Statement of the Auditor made pursuant to the provisions of Section 13, Sub-section 2, of the Audit Act as amended by Section 6, Chapter 10, 9 Edward VII. Presented to the Legislature, 27th January, 1910. *Printed.*

No. 58.... Return to an Order of the House of the Thirtieth day of March, 1909, for a Return shewing, during the past twelve months all permits to effect insurance in foreign unregistered Corporations, Insurers or Underwriters issued by the Insurance Registrar, under Section 86a of the Ontario Insurance Act, as amended by 2 Edward VII., Cap. 12, and 4 Edward VII., Cap. 15, and of all letters and applications in respect of which such permits were issued. Presented to the Legislature, 27th January, 1910. Mr. *Proudfoot. Not printed.*

No. 59.... Copies of Orders in Council in accordance with the provisions of Subsection 2 of Section 84 of the Surrogate Courts Acts, and Subsection 4 of Section 164 of the Land Titles Act. Presented to the Legislature, 3rd February, 1910. *Not printed.*

No. 60.... The Province of Ontario, Situation and Size, Climate, Products, Resources, Progress and Advantages. Presented to the Legislature, 4th February, 1910. *Printed for distribution only.*

No. 61.... Copy of an Order in Council under Sub-section 2 of Section 84 of the Surrogate Courts Act, authorizing payment of surplus surrogate fees to His Honour Judge Wismer, Junior Judge of the County Court of the County of Simcoe. Presented to the Legislature, 7th February, 1910. *Not printed.*

No. 62.... Return to an Order of the House of the Twenty-eighth day of January, 1910, for a Return: 1. Shewing the number of Licenses Granted to Fishermen in each of the following Districts in the years 1908 and 1909: (*a*) Lake Superior. (*b*) The Northern Channel of Lake Huron. (*c*) Georgian Bay. (*d*) Lake Huron and Lake St. Clair. (*e*) Lake Erie and Grand River. (*f*) Rivers St. Clair, Thames

and Detroit, and (*g*) Lake Ontario and Bay of Quinte. 2. The kind of License Granted to each Fisherman. 3. The cost of Licenses to each Fisherman of each of the above Districts. Presented to the Legislature, 7th February, 1910. Mr. *Proudfoot. Not printed.*

No. 63.... Rules and Regulations made by order of His Honour the Lieutenant-Governor in Council, for the carrying into effect the Succession Duty Act. Presented to the Legislature, 14th February, 1910. *Printed for distribution only.*

No. 64 .. Statement on the distribution of the Revised and Sessional Statutes, up to 31st December, 1909. Presented to the Legislature, 14th February, 1910. *Not printed.*

No. 65.... Return of an Order of the House of the Seventh day of February, 1910, for a Return shewing: 1. A copy of the advertisement calling for tenders for the printing, publishing and supply of "Ontario Readers"; 2. Copies of all tenders received; 3. Copies of correspondence between the Government of Ontario or any official thereof and any tenderer or tenderers; 4. A copy of the contract entered into on behalf of the Government for the printing, publishing and supplying of "Ontario Readers"; 5. A detailed statement of the cost to the Government of supplying to the publisher electro-plates for each reader. Presented to the Legislature, 28th February, 1910. Mr. *MacKay (Grey). Not printed.*

No. 66.... Report upon Infant Mortality in the Province. Presented to the Legislature, 8th March, 1910. *Printed.*

No. 67.... Return to an Order of the House of the Sixteenth day of February, 1910, for a Return shewing: 1. The number of male teachers granted County Model School Certificates in the years 1906, 1907, 1908 and 1909, respectively. 2. The number of female teachers granted County Model School Certificates in the years 1906, 1907, 1908 and 1909, respectively. 3. The number of male teachers granted Normal School Certificates in the years 1906, 1907, 1908 and 1909, respectively. 4. The number of female teachers granted Normal School Certificates in the years 1906, 1907, 1908 and 1909, respectively. Presented to the Legislature, 8th March, 1910. Mr. *MacKay (Grey). Not printed.*

No. 68.... Return of an Order of the House of the Fourth day of March, 1910, for a Return of Copies of the Reports relating to the cause of the fire in the Parliament Buildings. Presented to the Legislature, 9th March, 1910. Mr. *Elliott. Not printed.*

No. 69.... Return to an Order of the House, of the Twenty-second February, 1910, for a Return shewing: All awards by any Arbitrator or Board of Arbitration, to settle disputes between the Hydro-Electric Power Commission and those over whose lands the Commission have taken easements. Presented to the Legislature, 10th March, 1910. Mr. *Reed (Wentworth.) Not printed.*

No. 70.... Return to an Order of the House, of the Twenty-fifth day of February, 1910, for a Return shewing: The total amount paid for inspection

and overseeing work done on building Colonization Roads during the years 1908 and 1909. Presented to the Legislature, 10th March, 1910. Mr. *Proudfoot. Not printed.*

No. 71.... Return to an Order of the House, of the Twenty-fifth day of February, 1910, for a Return shewing: 1. The amount of Provincial Money (if any) loaned to Municipalities of the Province for Drainage purposes during each of the years 1904 to 1909, both inclusive. 2. The names of the Municipalities and the amount loaned to each in each of the said years. 3. The rate of interest charged the Municipalities, if other than four per cent. 4. The Special Grants (if any) given to Municipalities for Drainage Schemes during the said years, the names of the Municipalities to which given, and the amount given each. Presented to the Legislature, 10th March, 1910. Mr. *Stock. Not printed.*

No. 72.... Return to an Order of the House, of the Sixteenth day of February, 1910, for a Return shewing the number of permits and extensions granted to Public School Teachers during the years 1908 and 1909: 1. The reason for granting such permits and extensions. 2. How many of the teachers who received permits had previously taught. 3. The ages of the teachers who received such permits and extensions. Presented to the Legislature, 10th March, 1910. Mr. *Proudfoot. Not printed.*

No. 73.... Return to an Order of the House, of the Third day of March, 1910, for a Return shewing what steps (if any) the Canadian Northern Ontario Railway Company has taken towards the building of a section of the Railway into the clay belt of Northern Ontario in aid of which this House voted to the Company at its last Session a subsidy of four thousand acres of land for every mile of the Railway which may be constructed by the Company on certain conditions, among others that operations be commenced within one year from the date of the passing of the Act, April 13th, 1909. Presented to the Legislature, 10th March, 1910. Mr. *Johnson. Not printed.*

No. 74.... Report of the Bureau of Colonization, for the year 1909. Presented to the Legislature, 14th March, 1910. *Printed.*

No. 75.... Return to an Order of the House of the Twenty-fourth day of February, 1910, for a Return shewing: 1. The names of the gentlemen who compose the Commission for the Revision of the Statutes. 2. The total cost of the Revision to date, showing in detail, the persons to whom and on what account the money was paid. 3. When will the Statutes be completed. 4. What steps have the Government taken to induce or insist on the Commissioners completing their work at an early date. Presented to the Legislature, 15th March, 1910. Mr. *Proudfoot. Not printed.*

No. 76.... Return to an Order of the House of the Twenty-fifth day of February, 1910, for a Return shewing: 1. When was the resignation of the late Game Warden, T. A. Hand, accepted. Was it voluntary, or was he forced to resign. 2. What moneys had been collected by the said Hand and not accounted for or returned, and if Fishermen had fished and Hunters had hunted on receipts only given by the said Hand. If so, the amount of money unaccounted for and the number

of such receipts given and to whom, together with copies of all correspondence covering the matters referred to in this clause. 3. All correspondence in connection with the resignation of the said Hand. 4. All moneys collected by the said Hand during the years 1907 and 1908 and of all moneys collected by the present officer, A. Calbeck, during the year 1909, together with the names of the persons from whom the said collections were made. Presented to the Legislature, 15th March, 1910. Mr. *Proudfoot. Not printed.*

No. 77.... Return to an Order of the House of the Thirtieth day of March, 1909, for a Return shewing: 1. How often had the present Government been asked for permission to institute an action in cases where a fiat was necessary. 2. How often had such permission been granted. 3. In what cases. 4. How often was such permission refused. 5. In what cases. Presented to the Legislature, 15th March, 1910. Mr. *Elliott. Not printed.*

No. 78.... Return to an Order of the House of the Twenty-fifth of February, 1910, for a Return shewing: 1. How many Emigrants the Salvation Army brought out from Great Britain and Ireland during the season 1909. How many were male and how many female. 3. How many were placed in the homes of the farmers of the Province of Ontario. 4. The names and addresses of the farmers. Also shewing: 1. How many Emigrants the Government of this Province brought out from Great Britain and Ireland during the season of 1909. 2. How many male and how many female. 3. How many were placed in the homes of the farmers of the Province of Ontario. 4. The names and addresses of the farmers. Presented to the Legislature, 16th March, 1910. Mr. *Studholme. Not printed.*

REPORT

OF THE

Minister of Public Works

FOR THE

PROVINCE OF ONTARIO

FOR THE

TEN MONTHS, ENDING 31st OCTOBER

1909

PRINTED BY ORDER OF

THE LEGISLATIVE ASSEMBLY OF ONTARIO

TORONTO:
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1910

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REPORT

OF THE

Minister of Public Works

FOR THE

Province of Ontario

For the Ten Months Ending 31st of October, 1909.

To His Honour J. M. GIBSON, K.C., LL.D., *Lieutenant-Governor of the Province of Ontario.*

SIR,—I have the honour to submit to you, as required by statute, the annual report on all works under the control of the Public Works Department, comprising the reports of the Deputy Minister, the Architect, the Engineer, the Superintendent of Colonization Roads, and the Accountant and Law Clerk, for the year 1909.

I have the honour to be, Sir,

Your obedient servant,

J. O. REAUME,

Minister of Public Works.

Department of Public Works, Toronto, 10th of February, 1910.

REPORT

OF THE

Deputy Minister of Public Works

Toronto, February 10th, 1910.

HONOURABLE J. O. REAUME, *Minister of Public Works, Ontario.*

SIR,—I have the honour to transmit to you the accompanying reports of the several officers and branches of this Department, consisting of the reports of the Provincial Architect, Provincial Engineer, Superintendent and Accountant of Colonization Roads, and the Accountant of the Public Works Department.

Among the more important architectural works of the year has been the new Court House at Kenora, an addition to the Winter Fair Building at Guelph, partial reconstruction of the western wing of the Parliament Buildings destroyed by fire in September last, the new west wing at Osgoode Hall, and construction of the foundation for the new northern wing of the Parliament Buildings. In addition there has been the usual large amount of detail repair and reconstruction in connection with Osgoode Hall, Government House, Hospitals for the Insane at Brockville, Mimico, Toronto, Penetanguishene, London, Orillia, Hospital for Epileptics at Woodstock, the Education Department, Normal Schools at Ottawa, London, Stratford, Peterborough, North Bay, Institution for the Deaf and Dumb at Belleville, Institution for the Blind, Brantford, Hygienic Institute at London, the Ontario Agricultural College at Guelph, the Fruit Experimental Station at Jordan Harbour, and the Registry Offices and Court Houses of the several unorganized districts.

Under the Provincial Engineer there have been erected eleven steel bridges on concrete sub-structures, at the following places: Dryden, in the District of Kenora; Neebing, Thunder Bay District; Blind River, in Algoma District; Spanish River, Nairn Township, District of Manitoulin; Vermilion River, District of Sudbury; Madawaska River, Airy Township, District of Nipissing; at Sharp's Creek, Hoc-Roe, and Kahshee, in the District of Muskoka; Kerr's Bridge in Victoria County, and Mattawatchin Township, Renfrew County. Twenty timber structures, varying in cost from $500 to $3,500, have been erected in as many places in New Ontario.

A concrete arch over the Severn River near Washago; a concrete dam at Bala; concrete dams on the Kaministiquia River, by means of which it is estimated 10,000 additional horse power will be available; the removal of obstructions from streams, and aid to drainage construction have been among the additional works carried out. The most important bridge for the year is that over the Spanish River on the Sudbury-Soo Trunk Waggon Road, which consists of one span 200 feet long, supported on concrete abutments.

During the year, as shown by the report of the Provincial Engineer, there was opened for traffic 260.33 miles of new railway, making a total mileage in operation within the Province of 8,660.42.

Work has been carried on on the Sudbury-Sault Ste. Marie Trunk Waggon Road, and also on a waggon road from Elk Lake to Gowganda; in all 146 miles of new colonization roads have been opened up, and a large amount of improvement made in Northern Ontario through municipal grants, in accordance with the Colonization Road Act.

All of which is respectfully submitted.

I have the honour to be, Sir,

Your obedient servant,

A. W. Campbell,

Deputy Minister Public Works.

REPORT OF THE ARCHITECT.

To the Hon. J. O. Reaume,

Minister of Public Works, Ontario.

Sir,—I have the honour to submit the following report on the buildings completed, the contracts carried out, and the repairs and improvements made to the Provincial Buildings by the Architect's Branch, for the past ten months ending October 31st, 1909.

Government House.

Considerable repairs have been made during the past year to the heating apparatus and plumbing appliances. To give additional accommodation for guests, a new lavatory has been fitted up in the upper floor, and the appliances in the other lavatories kept in good order. Repairs have been made where necessary to the Buildings generally, including the Main Building, Stable and Coach House, Gardener's House and Lodge. New fire hose has been supplied throughout the Residence. The grounds, roads and walks have been kept in good order. Repairs have been made to furniture and new furniture supplied where necessary.

Parliament Buildings.

Work was commenced early in the season on the foundations for the addition to the rear of the building. Cement walls have been built to the ground line as far as the boiler house, and foundations for piers erected. The work has been closed down for the winter. On September 1st, a disastrous fire took place in the buildings, starting at 12.45 in the afternoon in the roof of the westerly intermediate section of the building and extending to the roof over the Library and the West Wing to the dividing wall between this part of the building and the Speaker's Apartments. All of the apartments in the upper floor in the fire zone were badly damaged and the Library entirely destroyed. Much damage was done by water to the furniture and carpets in the Speaker's apartments and to the furnishings in the various offices. The fire is generally supposed to have originated from sparks from a charcoal burner used by tinsmiths in repairing the galvanized iron work on the roof. To protect the building from fire your Government decided to reconstruct and fireproof the Building from the west side of the Centre Building to the north end of the West Wing. Considerable of this work has been done. Accommodation has been provided for the Library in the residence No. 4 Queen's Park, and for the Ontario Railway Municipal Board, whose offices were located in the damaged portion of the building in the top floor of the West Wing, in the Manning Chambers on Queen Street. Temporary quarters have also been arranged in the building for the other Departments who have vacated their offices until the fireproofing construction of this part of the building is completed. Repairs have been made to the building generally, and the grounds, roads and walks kept in the usual good order.

Osgoode Hall.

The addition to the West Wing providing accommodation for the Judges of the Exchequer Division, and vaults and offices for the Master of Titles, was com-

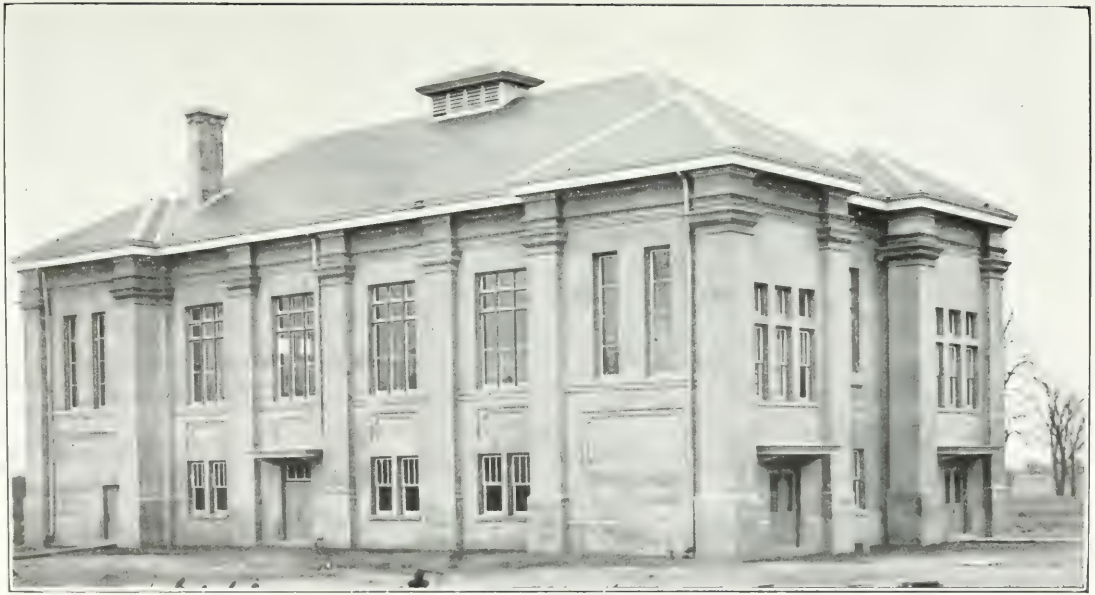
pleted and occupied early in the year. Corkalene carpet has been laid on the floors of the corridors and carpets laid in the rooms and on stairways. New furniture has been supplied for rooms, including book shelves, tables, chairs and desks. The large fireproof vault on the ground floor of this wing for the Master of Titles, has been fitted up throughout with up-to-date fireproof metallic fittings, the counter being of steel and marble. The office in the Main Building formerly occupied by the Master of Titles, has been painted and decorated, and is now used as a telegraph and telephone office by the Law Society. A telephone switchboard system has been installed with connections from the Judges' and chief officers' rooms. The outside woodwork of the centre building and the old portion of the west wing, has been painted, as also the brick work of the original west wing. The outside woodwork of the caretaker's cottage was painted. A large amount of painting was done to the interior of the building, including the King's Bench Court Room, the Court of Common Pleas, and the Master-in-Chambers Court, three Judges' rooms and Registrar's room, Court of Appeal in the rear of Centre Building, the whole of the corridors on the first, second and third floors of the new addition of the west wing, the Master-in-Chambers private office and clerks' room, the Registrar of the High Court and the Taxing Officers' room in the old portion of the west wing. All of this work was done by contract, tenders having been called for in the public press, and the work awarded to the lowest tenderer. To improve the lighting a large window has been placed in the Stamp Office, which is being fitted up with a new counter and screen; cement walks have been laid on the grounds to the north and west sides of the west wing and to the caretaker's cottage. The work was done under contract. Repairs to the buildings and furniture generally have been attended to, and new furniture supplied where necessary.

Hospital for Insane, Brockville.

The Assembly Hall and Chapel, the erection of which was commenced last year, and is fully described in my last report, has been completed and, I am informed, is a success in every way and fully up to the requirements demanded of it. The work was mostly done by asylum labour, and is a credit to all connected with the erection thereof. Plans and specifications were prepared for the steam heating plant, and the work successfully carried on by the engineer and staff of the hospital. The solar room, the erection of which was also commenced last year, and is described in my last report, has been satisfactorily completed and occupied for some time, the work having been done by asylum labour. New plumbing appliances have been placed by the engineer's staff of the institution in nearly all of the lavatories of the main building, replacing worn-out, antiquated apparatus. These apartments have been put in a thoroughly sanitary condition. The floors have been laid with Terrano cement. The steam heating has been improved by the installation of an additional 125 h.p. multitubular boiler. The usual amount of repairs has been made to the brick work. Slating and galvanized iron work on roofs and other repairs generally have been attended to.

Hospital for the Insane, Mimico.

Two additional steam boilers have been installed in the main boiler house, and further improvements made to this building during the past summer, the work being done by the asylum staff under the supervision of this Department.



Amusement Hall—Hospital for the Insane, Brockville.

Plans and specifications were prepared for a barn at the North Farm. The building has been completed, the work having been done by the asylum staff under the direction of the farmer of the institution, and the supervision of the Medical Superintendent and the officials of this Department. Plans and specifications were prepared for an addition to the gardener's house, which has been completed, the work having been done by the asylum staff.

Hospital for Insane, Hamilton.

Plans were prepared for an extension of the laundry. The building has been completed, the work having been done by asylum labour. Preliminary sketches have been made for a central boiler house, which it is proposed to locate in the rear of the Main Building, near to the Reservoir. At present the heating plants at the institution are scattered. Two boiler houses are located in the main building. The East house, orchard house, the hospital and several of the smaller buildings are all heated by separate plants. It is proposed to remove the boilers from these buildings and heat them all from one central plant with an up-to-date system, which would reduce the expenditure for coal, save labour, and be more satisfactory in every way. I understand the most of the work in connection with the erection of the building will be done by asylum labour, and the stone for walls can be obtained on the premises. Plans and specifications were prepared for heating the main building at Hickory Farm. The work was carried out by the engineer and staff of the institution.

Hospital for Insane, Kingston.

Plans and specifications were prepared for an extension to the kitchen in the main building, and for an addition to the green houses. The work is being attended to by the asylum staff.

Toronto Asylum.

Two No. 7 Sovereign heating boilers were installed in the Main Building to replace two old tubular boilers which were leaking badly and were beyond repair. A 500 H.P. steam hot water heater took the place of a coal burning heater, which, I am informed, has effected a saving of one and three-quarters tons of coal per week. The water supply was extended and connected with the Hydrotherapeutic bathing apparatus installed in the East and West Wings of the Main Building. The hot water heating system in the Medical Superintendent's residence was reconstructed and an additional radiator put in, also a No. 7 boiler replacing one of insufficient capacity. The above work was done by the engineer and staff of the asylum, plans and specifications having been prepared by this Department. The Superintendent's residence was wired in conduit for electric light, the work being done by one of the patients. Repairs generally were attended to.

Hospital for Insane, Penetanguishene.

The building of the extension to coal vault commenced last year has been completed. Plans and specifications were prepared for additional single rooms on the male side of the Main Building, for a cold storage building, a slaughter house, a cow stable and barn. All of these buildings have been erected with the exception of the Cold Storage Building. An electric light plant has been installed by the Canadian General Electric Co. in the old pumping station to the west of the

building at the water's edge. Before the machinery could be installed, considerable repair and construction work had to be done. The installation consists of one 50 kilowatt generator, operated by a 9″ x 10″ Ideal engine and a storage battery, with a capacity of sixty 16 C.P. lamps to be used after steam is shut off. This battery can be added to when required. One 100 H.P. return tubular boiler has been installed to operate this plant, and in conjunction with the old boiler in this building, it will be capable of operating the proposed local water service. The kitchen has been enlarged and improved by adding to it the space formerly occupied by the old bakery. Additional dryers have been placed in the laundry. The above work was done mostly by asylum labour, under the supervision of the Medical Superintendent and officials of this Department. Repairs generally have been attended to.

Hospital for the Insane, London.

Plans and specifications were prepared for balconies in front of the main building, which have been erected by asylum labour, and have much improved this part of the building. Plans and specifications were prepared for a skating rink. The foundations of the building have been erected, and most of the timber prepared for framing. This work is also being done by asylum labour. A 1,000 H.P. heater to supply hot water throughout the main building has been installed, and in the north building a 500 H.P. heater to supply hot water, which has made a considerable saving in coal. A boiler which was in good condition was removed from the building at Penetanguishene Asylum, formerly used as a machine shop, and recently converted into a ward for men, has been installed in the main greenhouse in connection with this institution, taking the place of one that was worn out.

Hospital for Epileptics, Woodstock.

The Lodge House at the main entrance to the grounds of this institution, commenced last year, has been completed. Plans and specifications were prepared for a barn, which has been erected on the new farm. The green-house has been completed and a hot water heating plant installed, the work being done under contract.

Hospitals for Idiots, Orillia.

Plans and specifications were prepared for verandahs to cottages, of steel and concrete construction, and tenders were called for in the press. As none were received the work has been postponed until next season. Plans were also prepared for an extension of the coal vault, extension to cow stable, extension to piggery, and for a pavilion or play-shed for the children, the erection of all of these buildings being deferred until next year.

Department of Education.

Normal and Model Schools, Toronto.

Plans and specifications were prepared for an addition to the boiler house, tenders advertised for, and the contract awarded to the lowest tenderer. The work is nearing completion. Plans and specifications were prepared for two multitubular boilers, and the contract awarded to the lowest tenderer. The boilers have been placed in position and are now being bricked in. This part of the work is being

Normal School, Hamilton.

Normal School, Peterborough.

Normal School, Peterborough.

Normal School, Stratford.

done by the departmental bricklayer. New plumbing appliances have been placed in the girls' and boys' lavatories in the Model School, the work being done under contract. New flooring was laid in two of the class rooms and in the entrance hall on the east side of this building. Considerable painting was done during the vacation in the Education Department Building and the Normal and Model Schools. Repairs to the buildings generally have been attended to.

Normal and Model Schools, Ottawa.

Repairs to the buildings in connection with this institution have received the usual attention. Preliminary sketches were prepared for the proposed reconstruction of the Model School Building, which, I understand, are still under consideration.

Normal School, London.

The building has been kept in good repair. Some painting has been done to the interior, including the Assembly Hall.

Normal Schools—Hamilton, Stratford, Peterborough and North Bay.

The Normal Schools, Hamilton, Stratford and Peterborough, which were opened on September 15th, 1908, have been kept in good order. A fence has been erected to the north and west of the Hamilton School to shut out the view of undesirable premises. The grading and sodding of the grounds surrounding this building was done early in the season.

The grounds surrounding the Normal School at Stratford have been graded and seeded, and gravel roads and cement walks laid, the work being done under contract. A large amount of grading and filling has been done on the grounds in connection with the Peterborough Normal School, necessitated by the low levels on the north side of the lot, which has been terraced and a tennis court constructed on same. Cement walks have been laid to the entrances and on the street in front of the building, the work being done under contract. A roadway has been constructed from the street to the coal vault.

The Normal School at North Bay was completed and fully equipped in time for the opening which took place on September 15th. Cement sidewalks were laid and considerable grading done prior to that time. There still remains considerable work to be done in levelling, sodding and seeding the grounds before they will have a finished appearance. It is the intention during the coming year to beautify the grounds of all four schools by planting flowers, trees and shrubs. This work will be done under the direction of Professor Hutt, of the Ontario Agricultural College.

Institution for the Deaf and Dumb, Belleville.

The usual amount of repairs have been attended to in the buildings connected with this institution. An electric pump has been installed at the sewage plant, so arranged that it can be operated from the main boiler house, and taking the place of the steam pump which could only be operated at the pumping station, thus saving the labour of an attendant.

The steam mains underground between the buildings leading from the boiler house have been boxed in and covered with asbestos; and the heating system in the printer's shop, which was not sufficient to heat the building, has been recon-

structed and added to. A new verandah has been constructed in front of the Superintendent's residence. The work was done by contract. Plans and specifications were prepared for reconstructing the stables and the barn, and for implement shed and hen house. This work is being attended to by the institution carpenter and staff.

Institution for the Blind, Brantford.

The most important work undertaken by this Department was a change that has been made in the heating system in the main building, which was not working satisfactorily, and did not heat the building properly, and was expensive to run. A vacuum system has been installed. This system, by means of a pump, keeps the radiators and other parts of the heating apparatus free from air or water, allowing the steam to flow freely through all piping and radiators, thus rendering the heating service more efficient. It is estimated that a saving of at least 15 per cent. will be made in the consumption of coal, owing to the change in this system. The position of a large number of the radiators was changed to increase their efficiency, and additional radiators provided. The system is working satisfactorily. The work was done under contract by the Drake Avery Co., of Hamilton. Two 100 H.P. multitubular boilers were installed, taking the place of two old boilers which were of insufficient capacity for the work, under contract by the Waterous Engine Works Co., of Hamilton. A hot water steam heater has been installed with a capacity of 500 H.P. for domestic purposes. The plumbing in the Superintendent's and the Bursar's residences was renewed. The new workshop has been completed and fitted up with tuning rooms and manual training apparatus. General repairs have been attended to.

Hygienic Institute, London.

All of the contracts in connection with this building have been completed and it is now ready for occupation. The grounds have been graded and put in good order. A gravel road has been laid on the north and west sides, and cement walks to the entrance to the building.

Ontario Agricultural College, Guelph.

Two 125 H.P. multitubular boilers were installed in the main boiler house in addition to the two installed last year, to meet the increasing demand on this plant in consequence of the additional buildings and machinery. A boiler feed pump has been installed in connection with the same. Two sectional hot water boilers have been placed in the boiler room of the green-houses in connection with the Botanical Building, replacing two that were beyond repair. The placing and connecting up was done by the engineering staff of the College under the supervision of the engineer. An addition was built to the coal vault of the Macdonald Institute Building. The work was done by contract under the supervision of the carpenter of the College.

Preliminary sketches were prepared for a building for a central dining room to accommodate 500 students; a kitchen, pantries, sculleries, cold storage and servants' dining room on the ground floor, the upper floor being divided into sleeping apartments, sitting room, bath rooms and lavatories for the servants. Preliminary sketches were also made for a central laundry, so located that the machinery in same would be operated from the steam from the main boilers.

Fruit Experimental Station, Jordan Harbour.

All of the contracts in connection with the erection of the Administration Building, the Superintendent's residence, and double cottage for teamsters, were completed early in the season. Plans and specifications were prepared for the removal and reconstruction of two of the old cottages. The work has been satisfactorily carried out by day labour under the supervision of the Director of the station.

Winter Fair Building, Guelph.

The addition to the Winter Fair Building in Guelph, the plans and specifications of which were made in this Department, a grant having been made by the Legislature of $25,000.00 provisionally, is nearing completion, and will be ready for the opening of the Fair on December 8th. The building is being erected by the City of Guelph under the supervision of a local architect.

Districts.

Muskoka.—Repairs have been made to the Court House, Gaol and Registry Office, and a hot water heating system installed in the Registry Office. The work was done under the supervision of the sheriff.

Nipissing.—Plans and specifications were prepared for an addition to the Court House at North Bay, to make provision for suitable quarters for the Judges. Tenders were advertised for and the contract awarded to the lowest tenderers. The building will be heated with hot water and will be fitted up with up-to-date plumbing appliances. The work is well advanced and will be completed early in the coming year.

A lock-up was erected at Gowganda, built of logs cut on the premises. As it was impossible to obtain tenders for the erection of same, the work was done by day labour under a competent foreman. Provision is made in the building for a Magistrate's Court Room. Furniture has been provided for it and the lock-up.

Parry Sound.—The work done during the past ten months consisted of ordinary repairs to the buildings, and the fitting up of the new vaults in the Registry and Land Titles offices, metallic fittings being supplied for same.

Manitoulin.—Ordinary repairs were made to the Court House, Gaol and Lock-up in this district.

Sudbury.—The furniture for Court House and Registry Office has been placed in position, all of which was purchased by tender, and the contract awarded to the lowest tenderer. Metallic fittings have been erected in the vaults in connection with the sheriff's and clerks' offices in the Court House, and in the vault in the Registry Office. These fittings were also purchased from the lowest tenderers.

The grounds in front and at sides of the Court House and Registry Office have been filled, levelled and graded, and will be seeded down next season. A gravel roadway has been constructed to Court House and Gaol and cement walks laid to Court House, Registry Office and Gaol, and a cement sidewalk on the street in front of the buildings, the full width of the property. The earth and gravel for filling was purchased by tender. The grading of grounds and roadmaking was done by the prisoners, and the cement walks laid under contract.

Sault Ste. Marie.—Metallic vault filing cases have been placed in the Registry Office and the ordinary repairs made to the Court House, Gaol and Lock-ups.

Rainy River.—The new gaol has been kept in good order, and repairs made to Registry Office. Furniture has been provided for the temporary court room and judges' room, which are located in the Town Hall. Furniture has also been supplied for the sheriff's and clerks' offices, which have been located in the cottage on the grounds, formerly occupied by the gaoler as a residence.

Thunder Bay.—Metallic vault fittings and furniture have been supplied to the Registry Office. The Court House, Gaol and Gaoler's residence at Port Arthur, and the Lock-ups in the District have been kept in good repair. Cement walks have been laid in front of and at sides of Court House and Registry Office, and from the Court House across the grounds, the materials being purchased by the Department and the work done by the prisoners. The retaining wall at the side of the property has been rebuilt, the work in this case being also done by the prisoners.

Kenora.—Plans and specifications were prepared for a new Court House to be erected in the Town of Kenora and tenders were advertised for. Only one tender was received, and as it was not satisfactory, it was deemed advisable to proceed with the foundation work by day labour, the materials being purchased by tender. The foundations have been constructed to the grade line and the work shut down until the spring. Tenders were also advertised for, for the plumbing and steam heating and electric wiring, and the contract was awarded to the Fred. Armstrong Co., of Toronto, whose tender was the lowest. The building is being erected on a site provided by the town, on Water Street, extending through to the lake. The building will be 107 feet in length by 73 feet in depth and will face Water Street. It will be three stories in height, including the basement. The foundation walls to the grade line are constructed of cement; above this to the top of plinth will be faced with stone coursing. The superstructure will be of red bricks with stone heads and sills to the windows and doors. The roof will be covered with slates, and will be surmounted in the centre by a handsome cupola. The main entrance is located in the centre of the front approached by a handsome portico and steps, entering into a vestibule leading into the main corridor 15 feet in width in the centre and seven feet wide at the sides, running from north to south. A broad stairway leading to the upper floor is located in the centre of the main corridor. The Court room is situated in the rear with entrances from the main corridor. The rooms to be occupied by the Judges and the Clerk of the Peace and Crown Counsel are situated on each side of the Court room. Provision is also made on the ground floor for offices for the Sheriff and County Clerk, with rooms for clerks adjoining, with fireproof vaults off same, of ample proportions. A fireproof vault is also provided for the Clerk of the Peace. A lavatory, which will be fitted up with up to-date plumbing appliances, is placed off the south end of the corridor on this floor and a similar lavatory immediately over it on the upper floor. Provision is made on the upper floor for Judges' Chambers, Barristers' room, Library, Magistrates' room, Grand Jury and Petit Jury rooms. The building will be heated by steam, the boiler room and coal vaults being located in the basement.

I have the honour to be,

Sir,

Your obedient servant,

F. R. HEAKES,

Architect.

REPORT OF THE ENGINEER.

DEPARTMENT OF PUBLIC WORKS, ONTARIO,

PARLIAMENT BLDGS., Nov. 1st, 1909.

HON. J. O. REAUME,

Minister of Public Works, Ontario.

SIR.—I have the honour to report as follows upon the work of the Engineer's Branch of the Public Works Department, for the ten months ending October 31st, 1909.

The change in the fiscal year from the Calendar year to a period closing on the 31st of October has prevented the completion of several of the larger bridges before the appropriation lapsed; consequently the unexpended balances will require to be revoted in several instances where the works will be completed during the building season of 1909.

Eleven steel bridges on concrete substructures have been erected at the following places: Dryden, in the District of Kenora; Neebing, Thunder Bay District; Blind River, in Algoma District; Spanish River, Nairn Township, District of Manitoulin; Vermilion River, District of Sudbury; Madawaska River, Airy Township, District of Nipissing; at Sharp's Creek, Hoc-Roc, and Kahshee, in the District of Muskoka; Kerr's Bridge, in Victoria County; and Mattawachin Township, Renfrew County. Twenty timber structures, varying in cost from $500.00 to $3,500.00, have been erected in as many places in New Ontario.

A concrete arch of 58 feet span was erected across the Severn River, in Rama Township, near Washago. A small concrete arch at Rossport, Thunder Bay District, and a small stone arch at Dickson's Creek, in Temiskaming District, were also erected.

Obstructions have been removed from the following streams to lessen the dangers from flooding: The North River, in Matchedash Township; Nottawasaga River, Tecumseh Township; Mississippi River, at Ferguson's Falls, and at Monroe's Rapids.

A new concrete dam was erected at the outlet of Muskoka Lake, at Bala, replacing an old timber structure that had become decayed.

Concrete dams for the purpose of storing the flood water, and regulating the flow, are in course of erection at the outlet of Dog Lake, District of Thunder Bay. These regulating dams will increase the power that may be developed on the Kaministikwia River.

Inspections and reports have been made on eleven drainage schemes in the following townships, towards which government aid has been granted under the Provision of the Provincial Drainage Aid Act: Ops Township; Burnet drain, Ebro Township; Dawn and Enniskillen Townships; Ruscombe River, Rochester Township; Logan Township; Hardy Creek, Metcalf Township; Luther Township; Paden drain, Marlborough Township; and Spring Creek drain, Lochiel Township.

The maintenance and repairs of the several locks, dams, bridges, etc., under the control of the Department, have been attended to, aggregating a cost of $19,539.50, which includes also the dredging operations on the Muskoka Lakes.

Bridges—Kenora District.

Dryden Bridge, over Wabigoon River.—A steel bridge 80 feet in length, with a roadway 14 feet in clear width, supported on concrete abutments 13 ft. 6 in. in height, was erected over the main channel of the Wabigoon River at Dryden. The approaches were filled with earth for a distance of 80 ft. at each end. A second channel 80 feet in width was also filled with earth. The earth filling was protected with rip-rap. A concrete floor 6 inches in thickness reinforced with 3-8-inch rods was provided.

The work was carried out in a very satisfactory manner by Messrs. Morrow & Beatty, Contractors of Peterborough. The contract price was $6,300, with $595 additional for the concrete flooring.

The old bridge at this point was a timber structure, which was supported on the piers of a dam erected to regulate the level of the water of Wabigoon Lake for the purposes of navigation. The new structure is located immediately below the present old wooden dam, which, it is expected, will be superseded by the erection of a new dam at a point about a quarter of a mile below the present one, by the Gordon Pulp and Paper Company, who have the water power privilege at this point.

Beaver Creek Bridge, at Eagle Lake.—A new timber bridge was built across Beaver Creek on the Townline about two and a half miles from Eagle Lake Station on the C. P. Ry. The bridge is about 140 feet in length, built on pile bents 18 feet apart. The piles are from 20 to 30 feet in length, five piles in each bent; the floor of the bridge is five feet above the water; the width of the bridge is 16 feet; flooring, 3-inch plank supported on six stringers. The work was done by day labour under the direction of Mr. James Fraser, Inspector Colonization Roads for the District.

Nugget Creek Bridge, at Wabigoon.—A new timber bridge was built across Nugget Creek at Wabigoon, 257 feet in length, 14 feet in width, and 11 feet in height above the water. There are fifteen bents of piles, four piles to each bent, and four bents on mud sills, two at each end, making eighteen spans. The floor of the bridge is 3 inch plank. A strong rail 3 feet in height is provided. The work was done by day labour under the direction of the Inspector of Colonization Roads.

Bridges—Thunder Bay District.

Rossport Bridge.—A concrete box culvert 3 feet in width, 4 feet in height, and 45 feet in length, was built on the main street in Rossport, and the ravine filled for a distance of 128 feet. The depth of filling at the culvert was 15 ft. 6 in. The roadway was graded for a distance of 650 feet. Tenders for the work were invited by advertisement in the public press. Only two tenders were received, both of which exceeded the appropriation. The work was therefore undertaken by day labour under the direction of Mr. John McNee, Inspector of Colonization Roads for the District, and was completed in a satisfactory manner for $873.71, which was within the amount appropriated, and much less than the lowest tender.

Neebing River Bridge, Neebing Township.—A grant of $1,800 to the Municipality of Neebing was made at the last session of the Legislature, to assist in meeting the cost of a steel bridge over Neebing River, on Arthur Street, Concession 3 and 4, Neebing Township. A steel bridge with a span of 45 feet, supported on concrete abutments and [illegible] filled with earth was erected by the municipality at a total cost of $5,357. The work was inspected by Mr. John McNee, who reported that it was completed in a satisfactory manner. The amount of the grant was therefore paid to the Treasurer of the Municipality.

BRIDGES—ALGOMA DISTRICT.

Dausey Bridge, at Blind River.—The old timber structure, about 450 feet in length, known as Dausey Bridge, at Blind River, had, for many years, been a source of trouble; the ice freezing around the piles raised them with the raising of the level of the water, which was effected by a dam in the river below the bridge. The bridge had become old and dangerous, and was replaced during the present season by a steel bridge with a 40-foot span, 16 feet in clear width, supported on concrete abutments. The remaining distance, about 410 feet, was filled with earth to a height of 3 feet above the water level, 18 feet in width at top, with the sides riprapped. A strong railing was provided on both sides of the fill.

The steel superstructure was supplied and erected by the Dickson Bridge Works Company, for $680, their tender being the lowest. The concrete substructure, filling and grading was done by Mr. J. F. Boyd, Contractor, whose tender was the lowest. The total cost of the work was $3,679.20.

Root River Bridge, Tarentorus Township.—A small timber bridge was built over the Root River on the 4th Concession of Tarentorus. The bridge consisted of two spans 20 feet in the clear, supported on timber crib piers filled with stone. The approaches were graded for a distance of 70 feet on each side of the bridge. The work was done by Mr. T. C. Dinsmore, Contractor, for the sum of $700, his tender being the lowest received in response to advertisements in the public press.

St. Joseph Township Bridge.—An old timber bridge 100 feet in length on the line between Concessions F. and G., Township of St. Joseph, known as Gowas Bridge, was replaced by a bridge having a span of 12 feet, supported on concrete abutments 23 feet in height, the remaining distance being filled with earth, the west approach, 70 feet in length, and east approach, 110 feet. The material for the filling was taken from a high bank, adjoining. The cutting of this hill has made a very easy approach to the bridge. The work was done by day labour under the direction of Mr. Samuel Cole, Inspector of Colonization Roads for the District.

BRIDGES—MANITOULIN DISTRICT.

Spanish River Bridge, Sudbury-Soo Road, Nairn Township.—A new steel bridge over the Spanish River, on the Sudbury-Sault Trunk Waggon Road, in the Township of Nairn, is in course of erection. The bridge consists of one span 200 feet in length supported on two concrete abutments. The substructure was built and approaches filled by Messrs. Green, Sinclair and Campbell, Contractors, of Owen Sound, whose tender was the lowest. The steel superstructure is being erected by the Dickson Bridge Works Company, of Campbellford, their tender being the lowest.

Spanish River Bridge, grant to Nairn Township.—A grant of $1,000 to the Township of Nairn was made in the year 1908, and re-voted in 1909, to assist in the erection of a timber bridge across the Spanish River north of the village of Nairn Centre. The bridge had been erected by Messrs. Graves, Bigwood & Co., during the previous year, but was injured by a jam of logs in the spring of 1908. The bridge was rebuilt with larger spans, during the year 1909, and the piers were protected by booms to prevent a recurrence of the injury. The Graves, Bigwood Company, having completed the bridge in a satisfactory manner, and having conveyed the lands on which the bridge is located and roads leading to the same, to the Municipality of Nairn, the amount of the grant was paid to Graves, Bigwood & Co.

BRIDGES—SUDBURY DISTRICT.

Vermilion River Bridge, at Whitefish.—A new steel bridge, consisting of two spans 150 feet in length each, was erected over the Vermilion River on the line of the new Sudbury-Soo Trunk Waggon Road, about two miles east of Whitefish. The work was let by contract to the Dickson Bridge Works Company, whose tender, both for steel superstructure and concrete substructure, was the lowest in each case. A timber trestle approach over a second channel 306 feet in length was included in the contract for the substructure. The grading of approaches is being proceeded with by day labour under the direction of Mr. William Craig, of Whitefish.

BRIDGES—NIPISSING DISTRICT.

Bigwood Bridges.—Two timber bridges were built on the Townline between Bigwood and Delamere. The first across the Murdock River, about a mile and a half east from Rutter Station, on the Canadian Pacific Railway; the second, over Courchace Bay, about six miles east of Rutter. The Murdock River bridge consists of one span 40 feet in length, 30 feet in height above the water level, supported on framed bents and cedar cribs, and fourteen spans about 15 feet each. The total length of the bridge is 273 feet. The work was done in a satisfactory manner by Messrs. Pigott & Son, Contractors, of Hamilton, whose tender was the lowest.

Amount of contract, $3,592.

The bridge over Courchace Bay is a timber structure 450 feet in length, having thirty spans 15 feet each, supported on pile bents, four piles to each bent. The flooring is of 3-inch planking, 14 feet in length and 5 feet above the water level. The work was carried out in a satisfactory manner by Mr. William Daoust, Contractor, Cosby, whose tender was the lowest. Amount of contract, $3,500.

Martland Bridge.—A small timber bridge was erected over a small stream on Lot No. 7, Con. 2, Township of Martland. The bridge is composed of eleven spans 13 feet in length, supported on framed trestle bents. The total length of the bridge is 156 feet, and was erected by Mr. Wm. Daoust, Contractor, whose tender was the lowest. Contract price, $980.

North-West Arm, Lake Nipissing.—The approaches to the bridge across the North-West Arm of Lake Nipissing, in the Township of McPherson, erected in the year 1908, were completed early in the season. The bridge has a length of 1,325 feet, 300 feet being pile trestle. The remainder is filled with stone and earth. The filling was raised during this season about two feet in height, to make it perfectly safe for travel, at times of high water and heavy storms. The work was carried out by day labour under the direction of Mr. Octave Sylvester, Inspector of Colonization Roads for the District.

Cosby Bridge.—A small timber bridge in Cosby was rebuilt. The old structure was 193 feet in length. The new structure is 36 feet in length, 7 feet in height above the water. The south approach was filled for a length of 70 feet, and north approach 87 feet. The work was done by day labour at a cost of $470.35.

Lake Nosbonsing Bridge.—A timber structure of 454 feet in length was built across Lake Nosbonsing, on the side line between Lots 19 and 20, in the 3rd Concession of the Township of Ferris, and consisted of fifteen spans 20 feet in width, supported on timber cribs 8 feet in width and 16 feet in length. The floor of the bridge is 14 feet in width and 5 feet above the water. The approach at the south end is filled for a distance of 22 feet, and at the north end 44 feet. The work

was done by day labour under the direction of Mr. Patrice Rochefort, at a cost of $3,497.68, which included the improvement of one-quarter of a mile of road leading to the bridge.

Bissett Creek Bridge.—A timber bridge was built over Bissett's Creek, on the Mattawa and Pembroke road, on Lot 56, Con. B., Township of Maria. The bridge consists of one span 27 feet, supported on two piers 8 ft. x 16 ft., 10 feet high. The approaches are filled with stone, 51 feet long, 9 feet in height, covered with earth 1 foot 6 inches in depth. A span 5 feet in width, over a small creek, with approaches 14 feet in length, eight culverts and repairs to the road were also included in this work. The work was done by day labour at a cost of $700.

Brule Creek Bridge.—The bridge at Brule Creek, east of Sturgeon Falls, was rebuilt, reducing the length 45 feet, making one span 15 feet, supported on cedar cribs 16 feet in height. The work was done by day labour at a cost of $470.35.

Madawaska River Bridge, Airy Township.—A steel bridge 76 feet in length, 14 feet in clear width, supported on stone abutments, was erected over the Madawaska River, at Whitney Station, in Airy Township. The abutments were built of the rocks found upon the site, laid in Portland cement mortar. They are 15 feet high, 18 feet long, with wing walls 15 feet and 11 feet long respectively. The approaches were filled with stone and earth above the level of high water, making a safe and permanent crossing. The work on the substructure and approaches was done by day labour under the direction of Mr. Amos Train, Foreman of Work, in a satisfactory manner. The steel work was supplied and erected by the Hamilton Bridge Works Company, whose tender was the lowest.

Parry Sound District Bridges.

Pickerel River Bridge.—A new timber bridge was built across the Pickerel River in Wilson Township, on the new wagon road from Loring to Wallbridge Station, on the Canadian Northern Railway. The bridge is 350 feet in length, and has one trussed span 40 feet in length, and high enough to permit the passage of the lumbermen's boats that will be operating on the river for several years. The 40-foot span is supported on two piers composed of a double row of piles. The remainder of the bridge is supported on pile bents with 16 feet centres. The work was done by day labour under the direction of Mr. D. H. McIntosh, Foreman of Public Works. The cost of the work was $1,832.43.

Black Creek Bridge.—A small timber bridge was built over Black Creek on Lot 37, Con. 4, Township of Himsworth. New stone piers built in cement mortar were constructed by Mr. John Scheick at a cost of $150. The superstructure was built by day labour under the direction of Mr. D. H. McIntosh. The total cost of the work was $449.33.

Whitestone River Bridge.—A small timber bridge on crib foundations was built at Whitestone P.O., at a cost of $425.94. The work was done by day labour under the direction of Mr. D. H. McIntosh.

Bridges—Temiskaming District.

Crocodile Creek Bridge.—A timber bridge was built over Crocodile Creek on the townline between Dack and Evanturel. The bridge consists of one span 36 feet in length and 16 feet in height above the water, and two spans 16 feet in length. The total length of the bridge is 80 feet. The hills were cut down on

both sides, making easy grades and furnishing material to fill the approaches. The total amount of expenditure under this appropriation was $776.94.

Dickson's Creek Bridge.—A stone arched culvert 45 feet in length, 7 feet in width, with walls 4 feet high, and semicircular top, was built over Dickson's Creek in the Township of Bucke. The rock, found in the vicinity, laid in Portland cement was used. The work was carried out by day labour under the direction of Mr. W. E. Kerr, Inspector of Colonization Roads. The cost of the work, including the cutting of the hills and filling of roadway over the culvert (which is still in progress) will amount to the sum appropriated for the work, viz., $1,600.

Muskoka District Bridges.

Dorset Bridge.—The erection of the new steel bridge at Dorset described in report for 1908, was completed and opened for traffic early in the year. The approaches were also completed; 180 feet of 10-inch tile was laid from the river on the east side of the street in front of an hotel and stores. The sidewalks were taken up on both sides of the street, the grades raised and walks relaid.

Big East River Bridge, Chaffey Township.—The approaches of this bridge were completed and the sides rip-rapped with stone for a distance of 50 feet on each approach to protect them from being injured by the spring freshets.

Stephenson Township Bridge.—A new timber superstructure consisting of two spans 57 feet each, was built over the Muskoka River on the Stephenson townline. The old foundations were utilized, taking off two rounds of timber and building concrete pier and abutments on the stone filling. The approaches at each end were filled with stone and earth for a distance of 35 feet, and an average depth of 10 feet. The work was carried out by day labour under the direction of Mr. Wm. Lowe, Inspector of Colonization Roads, at a total cost of $875.

Fawcett's Bridge, Township of Draper.—A new timber structure, 52 feet span, supported on stone abutments substantially built in cement mortar, was erected over the South Branch of the Muskoka River, in the Township of Draper. The approaches were filled with stone and earth 30 feet in length on the east side, and 12 feet on the west. The total cost of the bridge was $859.44.

Kah-she Bridge, Morrison Township.—A new steel bridge, 90 feet in length, with concrete floor, consisting of five spans supported on stone abutments and piers, laid in cement mortar, was erected over Kah-she River, Morrison Township. The work was done by day labour under the direction of Mr. Wm. Lowe. The steel beams and reinforcement for concrete floor were supplied by the Hamilton Bridge Works Company. This is a substantial, permanent bridge. The total cost of the work was $1,729.54.

Axe Creek Bridge, Township of Stisted.—A small timber bridge 22 foot span, supported on stone abutments 10 feet high, was erected over Black Creek, in the Township of Stisted. The approaches were filled with stone and earth for a distance of 20 feet on the south end, and 12 feet on the north. The cost of the work was $283.32.

Sharpes Creek Bridge, Macaulay Townline.—A new steel bridge with concrete floor, was erected across Sharp's Creek, on the Macaulay townline, main road to Bracebridge. It consists of one span 26 feet supported on stone abutments 10 feet high. The approaches are filled with stone and gravel. The total cost of the work was $549.96. The work was done by day labour under the direction of Mr. Wm. Lowe, Inspector. The steel was supplied by the Hamilton Bridge Works Company.

Hoc-Roc Bridge, Muskoka Township.—A new steel bridge with concrete floors was erected at Hoc-Roc, near Gravenhurst. It consists of one span 26 feet in length, supported on two abutments 8 feet in height, built of stone laid in cement mortar. The steel and reinforcing fabric was supplied by the Hamilton Bridge Works Company. The total cost was $530.34.

Renfrew County.

Mattawatchin Bridge.—The substructure for a new steel bridge over the Madawaska River, in the Township of Mattawatchin, has been erected and the steel delivered at the site. The bridge consists of two spans of 100 feet each, supported on two stone abutments 17 feet in height, and one stone pier built of the country rock laid in cement mortar. The approaches are filled with stone and earth for a distance of 70 feet at one end and 80 feet at the other. The work on the substructure and approaches was done by day labour under the direction of Mr. Wm. Kennedy, Superintendent of Public Works, at a cost of $3,571.95; the steel was supplied by the Dickson Bridge Works Company, of Campbellford, whose tender was the lowest.

Victoria County.

Kerr's Bridge.—A new steel bridge with concrete floor was built over the North Branch of Burnt River, on the road from Gelert Station on the Victoria Branch of the Grand Trunk Railway to Minden. The bridge consists of one span 42 feet in length, supported on concrete abutments 14 feet in height; the approaches were filled with stone and earth for a distance of 23 feet at one end and 90 feet at the other. The work on the substructure and filling was done by day labour under the direction of Mr. Wm. Kennedy, Superintendent of Public Works. The steel was supplied and erected and the concrete floor laid by the Jenks, Dresser Company, of Sarnia. Tenders for the work were asked by advertisement in the public press, the lowest tender for the substructure and filling being $2,400, which was considered too high. The work under day labour cost only $1,469.84. The steel superstructure cost $790, and steel wheel guard and concrete floor, $240, making a total cost of the work $2,498.84.

Severn River Bridge, Rama Township.

Severn River Bridge.—A grant of $2,000 was made towards the construction of a bridge over the East Branch of the Severn River, on Lot 27, Concession L., Township of Rama. Plans for a steel bridge were prepared by the Department, and tenders were asked by the Council of Rama Township. Among the tenders received was one from Messrs. Gagne & Jennings, for a reinforced concrete arch bridge, for the sum of $1,990, which was accepted by the Township Council and approved by the Department. The work has been completed in a satisfactory manner. The arch has a clear span of 58 ft. 6 in., rise of 10 ft. 3 in., and is 90 feet in length over the abutments. The approaches have been filled by the Township and the grade of the road improved. The total cost of the work was $2,253.89. The cost of the concrete arch was paid by the Department.

Muskoka Lakes Works.

Port Sandfield Bridge.—The swing bridge over the canal connecting Lake Rosseau and Lake Joseph was rebuilt in timber, also the pivot pier. The iron work of the old bridge was utilized. The bridge was built practically similar to the

old one. The channel span is 58 ft. 10 in. in the clear. The pivot pier is 16 feet square. The total length of the swing bridge is 110 ft. 6 in. The work was done by day labour under the direction of Mr. Kennedy, Superintendent of Public Works.

Bala Dam.—A new concrete stop log dam was constructed at the northerly outlet of Muskoka Lake at Bala. The old dam had become so badly decayed that a new dam was necessary. The new dam is located about twenty-four feet below the old one, and the discharging capacity has been increased to lessen the dangers from flooding on Muskoka Lake. The new dam has five openings 20 feet in width and one opening 16 feet in width. The old dam had three openings 27 feet in width and one opening 14 feet in width. The depth of the two central openings was increased 4 ft. 6 in., the two southerly ones 1 ft. 6 in. The rock was blasted and removed from the channel above and below the dam to the level of the stop log sills. The dam is constructed of concrete piers 5 ft. in width and 19 ft. 6 in. in length. The stop log platform is supported on steel beams.

The work was done by Messrs. Pratt & McDougall, Contractors, Midland, whose tender was the lowest. The contract price for the whole work was $6,750.

North and Black River Improvement.

The work of removing rock obstructions from the North River in the Townships of Orillia and Matchedash, which has been under way for the past five years, has been completed. The work done during the present season was located on the west half of Lot No. 17, Concession 6, Township of Orillia. It was commenced on July 20th and completed on August 18th. The completion of the work will afford improved drainage for a large area of agricultural lands and improve the condition of the roads.

Mississippi River Improvements.

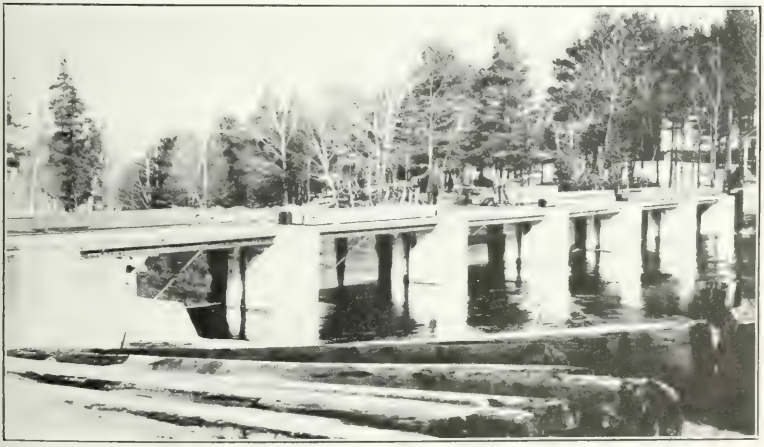
Monroe's Rapids.—Work has been done in improving the channel of the Mississippi River at this point at different times. The river at this place, Lot No. 1, Concession 8, Township of Ramsay, is divided into two channels. In the year 1890, a cutting was made in the larger or main channel about 20 feet in width, 335 feet in length and 2 feet in depth. In the year 1908, a cutting was made through the smaller channel 1,350 feet in length, 25 feet in width and 22 inches in depth. During 1909, the cutting in the main channel was increased to 40 feet in width, 2 ft. 9 in. in depth, and 450 feet in length, and boulders and loose stone were removed for a width of 50 feet additional distance below the cutting. The work was done under contract by Mr. Geo. A. Burgess, for the sum of $900. The cutting was through solid rock.

Ferguson's Falls.—A cutting 15 feet in width, 600 feet in length, and an average depth of 1 ft. 3in., was made at Ferguson's Falls on Lot 17, Concession 12, Township of Drummond. The work was commenced on October 11th and continued until Nov. 12th, when the work was stopped for the season. As the cutting was not carried through the full length of the shoal, 300 feet remaining to be done, an appropriation will be required to complete the work. The work was done by day labour under the direction of Mr. Wm. Kennedy, Superintendent of Public Works.

Nottawasaga River Improvement.

The work done in cutting a channel through the hardpan and gravel shoal in the Nottawasaga River, on the 12th and 13th Concessions of the Township of

Lake Nosbonsing Bridge Astorville

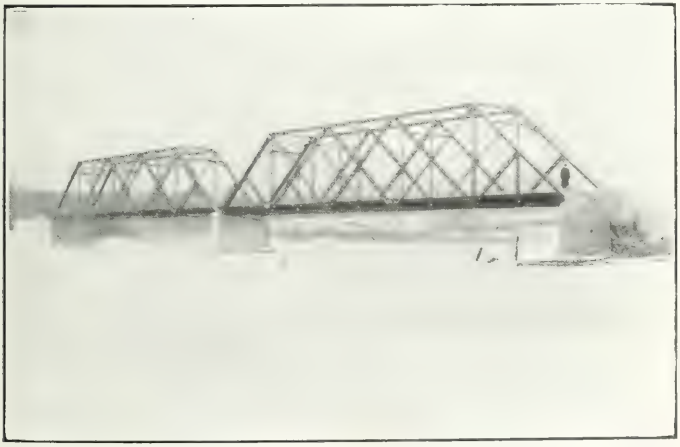


Concrete Dam, Bala Falls, Regulating Outlet of Lake Muskoka.

Dredging Kemp's Channel, Lake Muskoka.

Beaver Creek Bridge, near Eagle River, Kenora District.

Nosbonsing Lake Bridge, Astorville.



Vermillion River, Sudbury—Soo Trunk Road, near Whitefish.

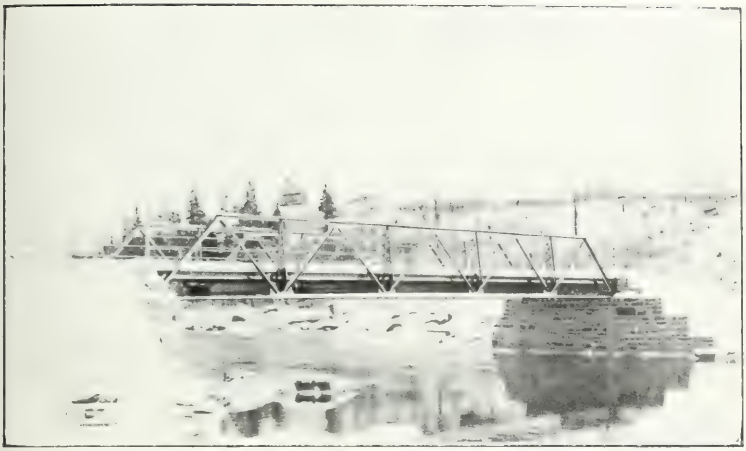
Big East River, Chaffey Township.

Big East River, Chaffey Township.

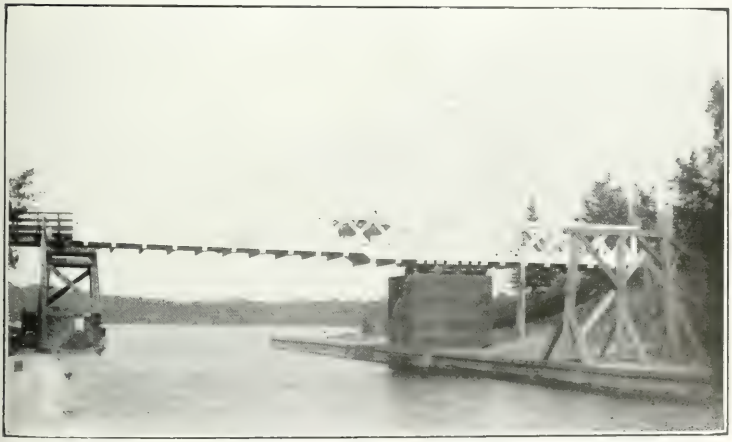
Concrete Arch, Rama Township, near Washago.

Concrete Arch, Rama Township, near Washago.

Kahshee Bridge, 90 feet long, steel cement floor, Muskoka.



Madawaska River at Whitney, Airy Township.



Swing Bridge, Port Sandfield, between Lakes Rosseau and Joseph.

Tecumseth, last season, lowered the water and revealed several shoals and obstructions in the stream above, which were removed during the present season.

The work was done by day labor under the direction of Mr. Benjamin Dorsey as foreman.

Maintenance Locks, Dams, Bridges, Dredging, etc.

The works attended to out of the appropriation for maintenance locks, dams, bridges, dredging, etc., were as follows:

Dredging Muskoka Lake.—The dredge was operated on the Muskoka Lake during the whole of the season, commencing on the 28th of April and ending on the 30th of November. The principal work done was at Kemp's Narrows, where a channel 60 feet in width, 500 feet in length, and to the depth of the mitre sill at Port Carling lock has been almost completed. The quantities of materials removed during the season were 1,967 cubic yards of rock blasted and taken from the channel, and 900 cubic yards of sand. From April 28th to May 18th, the dredge was working at Gravenhurst. From May 24st to 29th at Rosseau wharf, and from May 31st to June 3rd at Shadow River.

Port Carling Lock.—The timber necessary to renew the lock gates at Port Carling was purchased and the work will be proceeded with during the close of navigation. A step, 30 inches in width and 216 feet in length, was constructed along the inner side of the steamboat wharf, north of the locks, to give better accommodation for the smaller boats.

Mary's and Fairy Lakes Lock.—Repairs to the lock gates were made by a diver and the lock chamber was cleaned.

Port Sydney Dams.—The dam at the outlet of Mary's Lake was repaired by removal of decayed timber, and replacing it with sound timber.

Dorset Wharf.—The approach to the wharf at Dorset was raised and graded to meet the approach of the new steel bridge.

Magnetawan Locks.—The roadway along the bank of the Magnetawan River near the Swing Bridge in the Township of Ryerson, which was being washed away by the action of the steamboats, was protected by filling in with stone.

Ryerson Swing Bridge.—Slight repairs were made to this bridge, adjusting the guy ropes and bridge seats.

Manitou Lake Dam.—Extensive repairs were made to the dam at the outlet of Lake Manitou early in the year before the spring freshet. The timber was renewed above low water, all decayed timber was replaced by sound material, and the dam thoroughly gravelled, making it tight.

Dryden Dam.—Slight repairs were made to the dam at the outlet of Wabigoon Lake at Dryden and some new stop logs were provided.

Walker's Falls Bridge.—The bridge at Walker's Falls, near Dyment, on the C.P.Ry., was repaired by rebuilding the abutments at each end, putting on new stringers and repairing the existing 3-inch flooring, and covering it with 2-inch plank 10 feet in width for the whole length. The bridge is 110 feet long and 14 feet in width.

Hymer's Bridge.—The flooring of Hymer's bridge, 120 feet in length, across the Whitefish River, was renewed with 3-inch plank, 12 feet in width. A culvert near the bridge was reduced from 30 to 20 feet, and rebuilt with tamarac mud sills and posts, new stringers and 3-inch plank 16 feet in width.

Stanley Bridge.—The usual precautions were taken to protect the bridge from injury during the spring freshet.

Slate River Bridge.—The usual precautions were taken to prevent injury from ice in the spring.

LaCloche Bridge.—The bridge over LaCloche Creek, on the south side of Lot No. 12, Concession 1, Township of May, having become in a decayed and dangerous condition, was rebuilt in timber. The bridge was shortened from 102 feet to 66 feet in length.

Thessalon Station Bridge.—The timber bridge over the Thessalon River, near the C.P.R. station, was repaired by splicing three piles, putting in fifty new joists, and three new needle beams, and replanking with three inch plank. The length of the bridge is 135 feet. A new railing was provided and the approaches filled with gravel.

Algoma Mills Bridge.—The bridge at Algoma Mills was rebuilt in timber on substantial concrete piers and abutments. It consists of a trussed span 24 feet in length, a trussed span 41 feet in length, and a span 20 feet in length, making a total length of 85 feet. The approach has been filled for a distance of 69 feet.

Martin's Bridge, Galbraith.—In the month of June, bush fires burnt a small bridge on the 3rd Concession of Galbraith, which was renewed at a small cost.

Harmony Bridge, Haviland.—A small bridge over Harmony River, in the Township of Haviland, was partially destroyed by fire. All the burnt timber, stringers and decayed timber were removed, the bridge rearranged and put in good condition. It has a length of 124 ft. 8 in., and is built on round cedar piers. The central span is 28 feet.

Bye's Sideroad Bridge.—The bridge on Bye's sideroad, in the Township of Fenwick, was raised 5 ft. 4 in. It is 54 feet long, divided into three spans of 18 feet each. The bridge was in good condition, but had been too low. The approaches were filled with clay taken from the banks of the ravine over which the bridge crosses.

Montgomery Bridge.—The banks at Montgomery's bridge, in the Township of Houghton, were protected by a pile breakwater to prevent the bank from being cut away. The breakwater extended 500 feet in length above the bridge and 450 feet below.

Black Creek Bridge, Rydal Bank.—The bridge across Black Creek, near Rydal Bank, was renewed. It consists of one span 15 feet, on pile bents. The roadway is 16 feet wide in the clear, eight feet above the water. The approaches were formed of cedar and filled with clay.

Tunnel Bridge, in Wells Twp.—Slight repairs were made to Tunnel bridge in Wells, to make it safe for travel until the new steel bridge is completed.

Blind River Bridge.—Repairs were made to a bridge across the west branch of the Blind River, about two miles west of the town. The flooring was taken up, new stringers put in, and a 3-inch plank floor laid.

Clark's Bridge.—Clark's bridge, in the Township of Lefroy, 96 feet in length, was repaired by putting down a new 3-inch plank floor, new rail on both sides, and bracing the piles on the east side. The approach was filled with 84 loads of stone and 80 yards of gravel to protect the bank from slipping.

Smoky Falls Bridge.—The spring freshet on the Sturgeon River washed away the approach at the west end of the bridge at Smoky Falls. Repairs were made by building a pier and filling with stone, which it is hoped will protect the bank from any further injury.

Keeling Bridge, Dunnett Township.—Repairs were made to a bridge over a small stream on Concession 6, Township of Dunnell, known as Keeling bridge. It

is a small pile bridge. New piles were driven, and all decayed material renewed by sound material.

Larder Lake Road Bridge.—Two bridges on the Larder Lake Road, one over Boston Creek and the other over White River, were repaired to make them safe for traffic.

White River Bridge, Casey Twp.—The bridge across the White River, in Casey Township, erected in the previous year, was carried away by a log jam. It is said the logs were piled up 12 feet high above the water against the floor of the bridge, and extended up stream for a quarter of a mile, and for a long distance further up not quite so high. There was very little damage to the timber of the bridge, which was carried off the piers and floated intact, about four miles down the river, where it was secured. The bridge was towed back to the site, taken apart, and rebuilt.

Charlton-Heaslip Road.—Material was furnished for the repair of several small bridges on the Charlton-Heaslip Road, the work being done by the Municipality.

Harris Township Bridges.—Several small bridges on the Judge Road had been injured by the extremely high flood of last spring, and were repaired at a small cost.

Wright's Creek.—Slight repairs were made to small bridges on Wright's Creek Road.

Deer River Bridge.—A bridge over Deer River, on Lot 31, Concession 7, Township of Ferry, was replanked, abutments repaired and railing renewed.

Ahmic Harbour Bridge.—A bridge over an outlet of Ahmic Lake, on Lot 24, Concession 9, Township of Croft, was repaired generally, replanked and railing renewed. The approaches were also filled in for a distance of 62 feet on the north end, and 30 feet on the south end.

Hardy and Mills Townline Bridge.—A bridge on Lot 33 on the town line between Hardy and Mills was replaced by a new stone culvert and earth fill.

Wissi-Wassa Bridge.—Slight repairs were made to a bridge at Wissi-Wassa to make it safe for the season. This bridge will require to be renewed during the coming year.

Poverty Lake Bridge, Monmouth.—A bridge at the outlet of Poverty Lake in Monmouth Township, known as Dillman's bridge, was repaired. It is 102 feet long, centre span 30 feet, and two spans 20 feet each. One centre pier was entirely rebuilt. All decayed timber was renewed with sound material and the bridge is now in good condition.

Maple Creek Bridge, Monmouth.—A bridge over Maple Creek on the Burleigh Road at Lot 33, Concession 10, Township of Monmouth, was rebuilt. The bridge was reduced to one span of 18 feet supported on two abutments, the whole built of good, sound cedar. The approaches were filled with stone and earth, for a distance of 36 feet on the south end, and 116 feet on the north end.

Moore's Falls Bridge.—A bridge across the Gull River at Moore's Falls, in the Township of Lutterworth, was repaired. The bridge is 103 feet in length, with a centre span of 36 feet. New stringers, a new truss on the long span, new flooring and railing, was provided, and all decayed timber removed.

Kushog and Sawyer's Lakes, Minden.—The bridge over the Narrows between Kushog and Sawyer's Lakes, in the Township of Minden, on the road from Minden to Haliburton, was repaired by removing all the decayed timbers, renewing the flooring and railing. The bridge is 107 feet long, with a centre span of 36 feet.

Potash Lake Bridge, Cardiff.—The bridge over the Narrows at Potash Lake, in the Township of Cardiff, was repaired and put in good condition. New abutments were built, new stringers and corbels supplied, and all decayed timber removed. The bridge is 130 feet in length, with central span of 32 feet.

Oxtongue Lake Bridges.—Repairs were made to several bridges on the road from Dwight to Oxtongue Lake, in McClintock Township. One bridge 122 feet long, across Oxtongue River, on Lot 21, Con. 9; one bridge 68 feet long across the Narrows of Oxtongue Lake, on Lot No. 6, Concession 9, and three other short bridges or culverts.

Mississippi River Bridge.—Two new stringers were supplied and flooring repaired on bridge over Mississippi River at Myer's Cave.

Bala Bridge.—The timber bridge across the southerly outlet of Lake Muskoka at Bala was repaired. Some new joists and flooring were supplied.

Deer Lake Dam, Magnetawan River.—A caretaker was in charge of the dam from April 15th to October 15th, to regulate the running of the logs and maintain the dam in good condition. The following quantities of logs were driven during the season of 1909 by Graves, Bigwood & Co.: 91,815 pieces, equivalent to 6,673,479 feet B.M.

Lockmasters' Returns.

The following are the lockmasters' returns of lockages during the year 1909:

Port Carling Lock.—Four thousand one hundred and one steamers, 846 small boats, 702 scows and 109 rafts or cribs of timber.

Marys and Fairy Lakes.—Six hundred and thirty-two steamers, 352 small boats, 164 scows and 39 rafts or cribs of timber.

Magnetawan Lock.—One thousand four hundred and thirty-one steamers, 10 small boats, 514 scows and 78 rafts or cribs of timber.

Regulating Dams at Dog Lake, Thunder Bay District.

Work on the construction of the regulating dams at the outlet of Dog Lake, in the District of Thunder Bay, to provide for the development of water power and for the purpose of storing and controlling the water flowing into Dog Lake, authorized by 8 Edward VII., Chapter 24, has been in progress during the year. Materials and machinery were taken into the site of the dam during the months of March and April, before the winter roads broke up and while transportation facilities were favourable. Tenders for the work were invited, placing the materials and plant, which had been taken to the site of the dams—at the disposal of the contractors. The tender of Messrs. Wm. and E. V. H. White, of Burlington, being the lowest, was accepted. The work under way consists of the construction of concrete storage dams to raise the elevation of the water of Dog Lake to an elevation of 16 feet above its normal level, and the cutting of a channel to permit lowering the water five feet below the normal level, thus giving a controllable storage for power purposes of 21 feet. Dog Lake has a drainage basin of about 1400 square miles. The mean yearly precipitation of rainfall (the average for 30 years at Savanne Station) was 25.12 inches. The extreme minimum rainfall for one year was 18.1 inches. It is assumed that in a normal year 50 per cent. of the annual rainfall, or 12.5 inches, would be available for storage purposes, and in an extreme minimum year, 39 per cent. of the mean annual rainfall, or 7 inches, would be available for storage purposes. These figures would indicate a total run-off of the water shed in a normal year, of 40,656 millions of cubic feet.

The area of Dog Lake is about 53 square miles, the storage of which, at 21 feet in depth on the sill of the dam, it is assumed will develop Dog Lake to practically its capacity. With this quantity of storage it is possible to develop 40,000 horse power within a mile of the lake. The dams are so constructed that when the Dog Lake power is developed the storage water can be controlled equitably between the Dog Lake Development and the Kaministikwia Power Company, who are now generating power on the Kaministikwia River at Kakabeka Falls.

Extension of Railways.

During the year 1909 there were completed and opened for traffic in the Province of Ontario 260.23 miles of new railway, making the total mileage in operation within the Province, 8,660.42.

Canadian Pacific Railway.—The Georgian Bay and Seaboard Railway was opened for traffic from Victoria Harbour to Coldwater Junction, making connection with the Toronto-Sudbury line during the year. The distance is 13.2 miles. At Victoria Harbour a 2,000,000 bushel grain elevator and extensive wharfs are being built. When completed they will afford facilities for taking care of grain between the Great Lakes and the Atlantic Seaboard. Double track was laid and opened for traffic on the Smith's Falls section from Dalhousie Mills to Finch, a distance of 32.23 miles, completing double tracking and grade reduction from Smith's Falls to Montreal. Double track was also laid and opened for traffic on the Ignace section, between Hodge and McMillan, a distance of 11.5 miles, and on the Kenora section west of Deception, a distance of 3.1 miles, completing the double tracking and grade reduction from Winnipeg to Fort William.

Transcontinental Railway.—The number of miles of main line track laid in Ontario in 1909, is 188, which, with 24 miles previously laid, makes a total of 212 miles. Of this, 169 miles is from Lake Superior Junction to Manitoba boundary, and the remaining 43 miles is between the Abitibi River and a point 3 miles west of the Mattagama River. The portion from Lake Superior Junction west, is available for traffic, but none of the line has yet been taken over from the contractor. The whole distance across the Province, 758 miles, is under contract, the grading being nearly completed over the following sections: From the Quebec boundary, 126 miles west (43 miles being under track as mentioned above); from five miles east of Robinson Lake to the White Sand River 61 miles, and from Tunnel Lake to Lake Superior Junction, 119 miles. Preparations are being made for active operations on the remainder in the spring.

Toronto, Hamilton and Buffalo Railway.—Construction work carried out by the T. H. & B. Ry., during 1909, was the replacement of sixteen wooden bridges by reinforced concrete arches, and the re-ballasting of 25 miles of main track.

Central Ontario Railway.—No new mileage of this line was opened for traffic during 1909. There is at present under construction between Maynooth and Whitney, 28 miles of new line. Eleven miles are practically completed, but not yet opened for traffic. The Company expect to build 10 miles during the year 1910.

Algoma Central Railway.—Parties have been in the field completing the survey of the projected line between what is known as Hawk Lake Junction at mile 164 and the proposed connection with the C.P.R., at or near the station called Hobon, some 50 miles east of White River divisional point. There are 110 miles under construction, from the 69th mile to the 179th mile, a distance of 101 miles, and from Helen Mine Junction to Josephine Junction, a distance of 9 miles. Progress in connection with this work has been held back for the past year, owing

to a desire to complete the line through to a connection with the C.P.R. before starting track laying. Preliminary surveys have been made for the extension of the line from the connection at C.P.R. to some point at or near the Oba River crossing of the Transcontinental Railway.

Manitoulin and North Shore Railway.—The Manitoulin and North Shore Railway have ten miles under construction from Gertrude Mine to Victoria Mines. About seven miles are already graded, and it is expected that the remaining three miles will be completed by April 1st next. A survey party has been continuously in the field since last June endeavoring to locate the most feasible line that can be obtained. As the country passed through is of a very rough character, the work will be continued until a less expensive and more feasible line than any yet explored has been secured.

Pere Marquette Railway Company.—The maintenance of this railway, the renewals, etc., were up to the requirements. Permanent concrete bridges were erected to replace wooden structures along the main line—two at Emmett, one near Port Lambton, one near Ridgetown, one near Leamington and one near Arner.

Grand Trunk Pacific Railway.—As reported last year, the Grand Trunk Pacific Railway, from the main line of the National Transcontinental Railway, Lake Superior Junction, to West Fort William, a distance of 188.77 miles, was completed in the latter part of the year 1908, and has been operated since that time by authority of the Board of Railway Commissioners as per order No. 5918, dated 22nd December, 1908, authorizing the carriage of settlers, contractors, employes, workmen and laborers.

An agreement has been entered into with the Canadian Pacific Railway and ratified by Parliament, for a part ownership of their double track through Fort William, also for a new Union Depot at Fort William, and this building is in progress of construction.

Temiskaming and Northern Ontario Railway.—The only new railway constructed was the extension at Cochrane for half a mile north of the National Transcontinental. A spur line is under construction from the New Liskeard Station grounds to the wharf at Lake Temiskaming. At Cochrane a round house and machine shop, a combined foreman's office and petty stores building, coaling station, and new passenger station, are all under construction. At Charlton a new station and yard was constructed to accommodate the Charlton, Elk Lake and Gow Ganda traffic. A new large freight shed was constructed at Cobalt, and a new passenger station is under construction.

Michigan Central Railway Company.—No new lines were constructed during the year 1909. At Windsor, .687 miles of side track have been laid in the new yard, 4.96 of electric yard, and .59 miles of main track shifted.

Canadian Northern Railway.—The work of construction by the Canadian Northern Railway in Ontario during the year 1909, was distributed as follows: A section from Sellwood Junction to Gowganda Junction, 30.6 miles, was built and opened for traffic in December; a spur, 1.1 miles, was constructed at Parry Sound from the main line, crossing the Seguin River, and running around the water front of the town. The work on the Orillia branch has been delayed owing to difficulty in entrance to the town of Orillia; during the year 2.37 miles of track was laid. The line from Hawkesbury to Ottawa has been completed, and during the year 6.15 miles of track was laid into Ottawa. The first section of the Toronto-Ottawa line, namely from Toronto to Trenton, 104 miles, was put under contract in October. Work is progressing vigorously. Twenty miles of grading was done at the end of the year, but no track was laid.

REVISED STATEMENT OF RAILWAY MILEAGE IN ONTARIO TO DECEMBER 31ST, 1909.

No.	Name of Railway.	Terminal Points. From	Terminal Points. To	Completed prior to Confederation. Length in miles.	Completed since Confederation. Length in miles.	At present under construction. Length in miles.	Total length in operation of each railway or system of railways in miles.
1	Grand Trunk Railway, Main Line	East Prov. Bound.	Point Edward	457			
2	do Buffalo and Lake Huron Branch	Fort Erie	Goderich	158			
3	do London Branch	St. Mary's	London	23			
4	do Galt and Doon Branch	Galt	Berlin	7	4.5		
5	do Waterloo Junction Railway	Waterloo	Elmira		10.25		
6	do Toronto and Nipissing Branch	Toronto	Coboconk		88		
7	do Midland Railway, Main Line	Port Hope	Midland City	65	54.53		
8	do do Peterboro' Branch	Millbrook	Lakefield	13	9		
9	do Lake Simcoe Junction	Stouffville	Jackson's Point		26.5		
10	do Whitby, Port Perry and Lindsay	Whitby	Lindsay		46		
11	do Victoria Railway	Lindsay	Haliburton		55.81		
12	do Grand Junction Railway	Belleville	Peterborough		64.65		
13	do Belleville and North Hastings	Madoc Junction	Eldorado		22		
14	do Toronto and Ottawa	Madoc	Bridgewater		9		
15	do do Manilla Link	Wick	Manilla		6.5		
16	do do Omemee Link	Omemee	Peterborough		14		
17	do Port Dover and Lake Huron	Port Dover	Tavistock		55.68		
18	do South Norfolk Railway	Simcoe	Port Rowan		17		
19	do Chemong Branch	Peterborough	Chemong Lake		9		
20	do Stratford and Huron	Stratford	Wiarton		106.27		
21	do Owen Sound Extension	Parkhead	Owen Sound		12.40		
22	do Georgian Bay and Wellington	Palmerston	Durham		26		
23	Grand Trunk Railway \ Great Western Div. / Main Line	Suspension Bridge	Windsor	229			
24	do Toronto and Hamilton Branch	Toronto	Hamilton	39.5			
25	do Loop Line Diversion	Glencoe	Fort Erie		145		
26	do Kingscourt and Glencoe Link	Kingscourt	Glencoe		20.6		
27	do Sarnia Branch	Komoka	Sarnia	51			
28	do Petrolea Branch	Wyoming	Petrolea	7			
29	do Brantford Branch	Harrisburg	Brantford	8			
30	do Brantford and Norfolk	Brantford	Tillsonburg		35.88		
31	do Lynden to Brantford	Lynden	Brantford		4.12		

REVISED STATEMENT.— Continued.

No.	Name of Railway.	Terminal Points. From	Terminal Points. To	Completed prior to Confederation. Length in miles.	Completed since Confederation. Length in miles.	At present under construction. Length in miles.	Total length in operation of each railway or system of railways in miles.
32	Grand Trunk Railway, Great Western Div.	Wellington, Grey and Bruce	Harrisburgh	Southampton	27	102	
33	do	do	S. Extension.	Palmerston	Kincardine		66		
34	do	London, Huron and Bruce		Hyde Park Junction.	Wingham		69.75		
35	G.T.R. Western Div.—Welland Railway			Port Colborne	Port Dalhousie	25			
36	Northern Railway, Collingwood Line			Toronto	Meaford	94	21		
37	do	Muskoka Branch		Barrie	Gravenhurst		53		
38	do	Hamilton and Northern, Main Line		Port Dover	Allandale		135.3		
39	do	do	do Collingwood	Clarksville	Collingwood		40		
40	do	North Simcoe Junction		Colwell	Penetanguishene		33.34		
41	Northern and Pacific Junction Railway			Gravenhurst	La Vause		111.5		
42	Magnetawan River Railway			Burks' Falls Station, G.T.R.	Burks' Falls Village		1.01		
43	Toronto Belt Line Railway, Eastern Section			Don Station, G.T.R.	Junc. Northern Ry.		8.50		
44	do	Western Section		Carleton, on G.T.R.	Swansea		4.33		
45	Canada Atlantic Railway			East Prov. Bound.	Ottawa		68.08		
46	do	Ottawa, Arnprior & Parry So'nd Ry.		Ottawa	Scotia		212.60		
47	do	Parry Sound Colonization Ry		Scotia	Depot Harbor		51.20		
48	do	Central Counties Railway		Glen Robertson	Hawkesbury		21		
49	do	do	do	South Indian	Rockland		17		3,361.8
50	Canadian Pacific Railway, Main Line			Ottawa	West Prov. Bound.	57	1,150		
51	do	do		Ottawa	East Prov. Bound.		66.40		
52	do	Algoma Branch		Sudbury Junction.	Sault Ste. Marie		180.25		
53	do	Brockville and Ottawa Railway		Brockville	Carleton Place	46			
54	do	St. Lawrence and Ottawa Railway and Chaudiere Branch		Prescott	Ottawa	59.5			
55	do	Ontario and Quebec Railway		Toronto Junction	East Prov. Bound.	12	281.25		
56	do	do	Don Branch	Main Line	Toronto		5		
57	do	do	Detroit Extension	London	Windsor		112.50		
58	do	Credit Valley Railway, Main Line		Toronto	St. Thomas		119.13		
59	do	do	Orangeville Branch	Streetsville Junction	Elora & Orangeville		61		
60	do	do	Guelph Branch	Campbellville	Guelph		15		

REVISED STATEMENT—Continued.

No.	Name of Railway.	Terminal Points. From	Terminal Points. To	Completed prior to Confederation. Length in miles.	Completed since Confederation. Length in miles.	At present under construction. Length in miles.	Total length in operation of each railway or system of railways in miles.
61	Can. P. Ry. Toronto Grey & Bruce, Main Line	Toronto	Owen Sound		122		
62	do Teeswater Branch	Orangeville	Teeswater		72		
63	do Winghaw Branch	Glenaman	Wingham		4.75		
64	do West Ontario Pacific Railway	Woodstock	London		26		
65	do Atlantic and North-West Railway	Renfrew	Egan ville		19.25		
66	do Lindsay, Bobcaygeon and Pontypool Railway	Burketon	Bobcaygeon		38.79		
67	do Sudbury and Kleinburg Branch	Bolton	Romford		226.20		
68	do Guelph and Goderich Railway	Guelph	Goderich		88		
69	do do Listowel Branch	Listowel Junction	Listowel		16.10		
70	do Walkerton Lucknow Railway	Saugeen Junction	Walkerton		37.70		
71	do Tilsonburg, Lake Erie & Pacific	Port Burwell	Embro		41.11		
72	do St. Mary's & Western Ontario Ry	Embro	St Mary's		15.90		
73	do Georgian Bay & Seaboard Ry	Victoria Harbor	Coldwater Junction		13.2		2,886.03
74	Michigan Central Railway, formerly Canada Southern, Main Line	Windsor	Suspension Bridge		226.80		
75	Michigan Central Ry., St. Clair Branch	St. Clair Junction	Courtright		62.2		
76	do do Amherstsburg Branch	Amherstburg	Essex Centre		15.7		
77	do Oil Springs Branch	Oil City Junction	Eddy's		5.2		
78	do Petrolea Branch	Petrolea Junction	Petrolea		4.9		
79	do Leamington & St. Clair Branch	Comber	Leamington		15.9		
80	do Fort Erie Branch	Welland Junction	Fort Erie		17.4		
81	do Niagara Branch	Fort Erie	Niagara	30			378.10
82	Cobourg, Peterboro' & M'mora Ry., M'mora Line	Cobourg	Harwood	14.5			14.50
83	Kingston & Pembroke Railway	Kingston	Renfrew		105		105
84	Prince Edward County Railway	Picton	Trenton and G.T.R.		32.44		
85	Central Ontario Railway	Trenton, at G.T.R.	Maynooth		110	20	
86	Ontario and Belmont and Northern Railway	Central Ontario Ry.	Belmont Mine		9.57		152.01
87	Bay of Quinte Ry., formerly Napanee, Tamworth and Quebec	Deseronto	Bannockburn		78.45		
88	Bay of Quinte Ry., Harrowsmith Branch	Yarker	Sydenham		11.37		
89	do Old Line	Deseronto	Grand Trunk Ry		3.5		93.32
90	Nosbonsing and Nipissing Railway	Lake Nipissing (S.E. Bay)	Lake Nosbonsing		5		5.00

No.	Name of Railway.	Terminal Points. From	Terminal Points. To	Completed prior to Confederation. Length in miles.	Completed since Confederation. Length in miles.	At present under construction. Length in miles.	Total length in operation of each railway or system of railways in miles.
91	Irondale, Bancroft and Ottawa Railway	Kinmount	Bancroft		45		45.00
92	Brockville, Westport and Sault Ste. Marie	Brockville	Westport		45		45.00
93	Lake Erie and Detroit River Railway	Walkerville	St. Thomas		126.85		
94	do Erie and Huron Railway	Rondeau	Sarnia		70.47		
95	do London & Port Stanley Railway	London	Port Stanley	25			222.32
96	Canadian Northern Railway, formerly Port Arthur, Duluth and Western Railway, and Ontario & Rainy River Railway, Main Line	Port Arthur	West Prov. Bound		287		
97	Canadian Northern Railway, Duluth Extension	Stanley Junction	Gun Flint Lake		66.54		
98	do do James Bay Railway	Canada Atlantic Ry.	Parry Harbor		3.7		
99	do do Toronto & Sudbury Line	Toronto	Sudbury		265		
100	do do Key Branch	Key Branch	Key Harbor		6.2		
101	do do Hutton Branch	Sudbury Junction	Sellwood Junction		27.8		
102	do do Garson Branch	Garson Junction	Garson Mine		3.7		
103	do do Orillia Branch	Orillia Junction	Orillia			11	
104	do do Ottawa, Hawkesbury	Ottawa	Hawkesbury		58		
105	do do Port Arthur, Sudbury, Main Line	Sellwood Junction	Gowganda Junction		30.6		748.54
106	do do Toronto-Ottawa	Toronto	Ottawa			104	
107	Toronto, Hamilton and Buffalo Railway	Waterford	Brantford		18		
108	do do do	Brantford	Welland		62.5		80.50
109	Ottawa and New York Railway	Ottawa	Cornwall		55.00		55.00
110	Pembroke Southern Railway	Pembroke	Golden Lake		21.50		21.50
111	Algoma Central Railway	Sault Ste. Marie	Michipicoten June.		69	101.50	
112	do do Michipicoten Branch	Michipicoten Harbor	Main Line		22.10		91.10
113	Manitoulin and North Shore Railway	Sudbury	Gertrude Mine		13.50	5	13.50
114	Bruce Mines and Algoma Railway	Bruce Mines	Rock Lake		17		17
115	Temiskaming and Northern Ontario Railway	North Bay	Transcontinental Ry		252		
116	do do do Branch Lines				14.0		266
117	Huntsville and Lake of Bays Railway	Peninsula Lake	Lake of Bays		1.5		1.5
118	Transcontinental Railway	East Prov. Bound	West Prov. Bound		169	589	169
119	Grand Trunk Pacific Ry. Lake Superior Branch	Fort William	Transcon'nent'l Line		188.77		188.77
120	Thessalon, Northern Ontario Railway	Thessalon Junction	Thessalon		1.93		1.93
				1,447.5	7,212.92	830.8	8,660.42

STATEMENT OF ELECTRIC RAILWAY MILEAGE IN ONTARIO.

Number.	Name of Company.	Length of line. Completed.	Length of line. Under construction.	Number of power houses. Steam power.	Number of power houses. Water power.	Remarks.
1	Berlin and Waterloo.....3.02	.....	.....	1	.....	Power purchased from Berlin Light Commissioners.
	Leased Line, Berlin and Bridgeport.....2.50	5.52				
2	Brantford Street.....	7.	.....	1	.....	
3	Brantford and Hamilton Electric Ry.	33.	.....	.....	.....	
4	Chatham, Wallaceburg and Lake Erie	32.85	.....	.....	.....	
5	Cornwall Street.....	6.5	.....	1	1	
6	Grand Valley.....	23.5	6.	1	.....	Power also hired from Brantford Street Ry.
7	Guelph Radial.....	6.	.....	1	.....	
8	Galt, Preston and Hespeler.....9.00					
	Leased Line, Preston to Berlin 10.75	19.75	.....	1	.....	
9	Hamilton Street.....	22.01	.....	.....	.....	Power supplied by the Cataract Power Co.
10	Hamilton and Dundas.....	7.25	.....	.....	.....	Power supplied by the Cataract Power Co.
11	Hamilton Radial.....	23.43	1.	1	.....	
12	Hamilton, Grimsby and Beamsville..	27.5	.....	1	.....	
13	International Transit Co.....	3.3	.....	.....	.....	Sault Ste. Marie rent h. p. from Lake Superior.
14	Kingston, Portsmouth and Cataraqui.	8.	.....	1	.....	
15	London Street.....	33.3	.....	1	.....	
	Metropolitan (see Toronto and York Radial).....					
16	Mount McKay and Kakabeka Falls..	3.	.....	.....	.....	
17	Niagara Falls Park and River.....	11.85	.....	.....	1	Subject to the control of Niagara Falls Park Commissioners.
18	Niagara, St. Catharines and Toronto.	32.78	7.	.....	.....	
19	Niagara Falls, Wesley Park & Clifton	4.5	.....	.....	.....	
20	Ottawa City Passenger.....	24.67	.....	.....	1	
21	Oshawa Railway.....	8.3	.....	.....	.....	
22	Port Arthur and Fort William.....	9.5	.....	.....	1	
23	Peterboro Radial.....	6.	.....	.....	2	Power obtained from Peterboro' Hydraulic Power Co.
24	Port Dalhousie, St. Catharines and Thorold.....	8.17	.....	.....	.....	
25	Sarnia Street.....	9.25	.....	.....	.....	Power hired.
26	Sandwich, Windsor and Amherstburg	25.073	1.	1	.....	
27	South-Western Traction.....	29.1	.....	1	.....	
28	St. Thomas Street.....	7.5	.....	1	.....	
29	Toronto and York Radial, Toronto, Metropolitan Branch.....	52.88	.....	2	.....	
	Toronto and Mimico.....	10.	.....	.....	.....	Power hired.
	Toronto and Scarborough.....	10.	.....	.....	.....	Power hired.
30	Toronto Suburban.....	9.81	.....	1	.....	Power hired.
31	Toronto Street.....	107.23	.....	.....	.....	Two sub-stations, mileage includes turnouts and terminals.
32	Windsor and Tecumseh Electric Ry.	10.	.....	.....	.....	Operated by the Sandwich, Windsor and Amherstburg Ry.
33	West Shore Electric.....	.....	30.	.....	.....	Huron and Bruce Counties.
34	Woodstock, Thames Val. and Ingersoll	11.5	.....	1	.....	
35	Windsor, Essex and Lake Shore Ry..	37.28	.....	1	.....	
	Total mileage.....	687.36	45	.....	.....	

Drainage Work.

The following municipalities have received grants to aid in the construction of drainage works under the provisions of the Provincial Drainage Aid Act, 63 Vic., Chap. 8, during the fiscal period ending October 31st, 1909:

Luther Township Drainage.—The work was undertaken for the purpose of reclaiming a large area of swamp land, and to provide a trunk outlet for a system of lateral drains in the Township of West Luther. The scheme comprises two branches. The main drain commences at the centre of Lot 13 in West Luther, and runs east near and along the road in front of the 9th Concession, 15,300 feet, to the centre of Lot 20, thence along a creek bed 10,301 feet, to a sufficient outlet on Lot 23 in the Township of East Luther. The north branch commences near the centre of Lot 14 in the 11th Concession of West Luther, and runs south to the front of the 11th Concession, thence south-east through the 10th and 9th Concessions, joining the main drain at the east side of Lot 17. The length of the north branch is 13,763 feet. The west branch starts at the rear of the 11th Concession and runs south on the line between the east and west halves of Lot 13, 3,412 feet, thence east 1,992 feet to the north branch at the centre line of Lot 14. The total length is about eight and one-half miles. Contracts have been let covering the whole work, amounting to $10,956. The work was inspected by Mr. A. J. Halford, an Engineer of the Department, who reported that the work was carried out in a satisfactory manner and was rapidly nearing completion. The amount of the legislative grant, $1,500, was therefore paid to the Treasurer of the Township of West Luther.

Marlborough Township, Paden Drain.—Constructed by the Township of Marlborough, under By-law No. 247, is in the south-east part of the Township.

The main drain commences at the west side of Lot 10 in the 2nd Concession, and extends easterly 17,153 feet to Lot 4, where it branches into two outlets—the Cranberry Creek to the east and Plunkett to the south.

The Cranberry Creek outlet extends easterly from Lot 4 in the 2nd Concession of Marlborough to the front of Lot 28 in the 3rd Concession of North Gower, a total length of 31,000 feet.

The Plunkett outlet extends from the front of Lot 4, in the 2nd Concession of Marlborough south-easterly through Marlborough and north Gower to the Rideau River, a distance of 13,700 feet.

The John Hilton outlet extends from the road in front of Lot 5 in the 2nd Concession southerly to the Rideau River, a distance of 9,945 feet.

The Templeton branch commences at the west side of Lot 10 and extends easterly along the 2nd Concession road, joining the main drain on the south-east quarter of Lot 9, in the 2nd Concession, having a length of 3,101 feet.

The side-road branch extends from the main drain northerly along the side-road between Lots 6 and 7, in the 2nd Concession, a distance of 655 feet. The combined length of the drain in the scheme is 75,554 feet, or about $14\frac{3}{4}$ miles.

The drainage area comprises 10,838 acres—5,856 in the Township of Marlborough, and 4,982 in the Township of Gower. Of this area 2,307 acres are swamp lands.

The prevailing conditions in connection with this drainage scheme are exceptional. The nature of the swamp has rendered the construction of the works very expensive and so entails a heavy burden on the lands. A considerable time must elapse before the lands will be in a condition to afford any return for the labour and money expended on their reclamation.

The work having been inspected by an Engineer of the Department, who reported that it was fully completed, the amount of the grant, $1,000, was paid to the Treasurer of the Township of Marlborough.

Rochester Township, Ruscombe River.—A grant of $4,000 was made towards the Ruscombe River Drainage Works in the year 1908, to assist the Township of Rochester in extending the outlet. This work was fully described in the report of that year. At the close of the year 1908, the work was well advanced to completion, and $2,000 was paid to the Treasurer of the Township.

Mr. A. J. Halford, an Engineer of the Department, made an examination of the work on the 20th of April, and reported that the work had been fully completed. The balance of the grant, which had been revoted, was therefore paid to the Treasurer of the Township of Rochester.

Metcalfe Township, Hardy Creek Drain.—This drainage work was fully described in the report of last year. It begins at the townline between Adelaide and Metcalf, on Lot 4, and runs southerly a distance of about 6 miles, crossing into the Township of Brooke, near the front of the 5th Concession. The work was nearly completed at the close of the season of 1908, when $1,500 of the original grant of $2,500 was paid to the Treasurer of the Township of Metcalf. Examination of the drain was made by Mr. Halford, an Engineer of the Department, who reported that the work was fully completed. The balance of the original appropriation, $1,000, which had been revoted at the last Session, was, therefore, paid to the Treasurer of the Township of Metcalf.

Logan Township, North-West Drain.—The drainage work known as the Logan North-West Drain, having a total length of 16 miles, and lying entirely within the Township of Logan, was under construction in the year 1908 and was described in detail in the report for that year. A grant of $1,000 was made in the year 1908, one half of which was paid, and the balance revoted at the last Session. An inspection was made by an Engineer of the Department in the month of October, who reported that the work was practically completed. The balance of the grant, $500, was, therefore, paid to the Treasurer of the Township of Logan.

Township of Lochiel, Spring Creek Drains.—The Spring Creek drainage works, constructed under By-law No. 31, of the Township of Lochiel, comprises four branches. The main drain, 34,800 feet long, the Quigley branch, 11,550 feet long, the Fraser branch, 5,500 feet long, and the Chisholm branch, 6,940 feet long. The combined length of the drain is about eleven and one-quarter miles. A grant of $2,000 was made at the last Session of the Legislature. The work was inspected by an Engineer of the Department, in the month of October, who reported that the work was practically completed. The amount of the grant was, therefore, paid to the Treasurer of the Township of Lochiel.

Elma Township, Burnett Drain.—The Burnett drainage work consists in the deepening and widening of a branch of the Maitland River in the Township of Elma. The work commences on Lot No. 3 in the 3rd Concession, and extends westerly to Lot No. 1 in the 5th Concession, a distance of eleven and three-quarter

miles. The estimated cost of the work is $15,527. The entire work is under contract, and the contracts are being energetically prosecuted. An inspection was made by an Engineer of the Department on the 23rd of October, 1909, who reported that $7,000 worth of work had been completed at that date. One-half of the grant, $750, was therefore, paid to the Treasurer of the Township of Elma. The balance of the grant will require to be revoted anticipating the completion of the work, during the season of 1910.

All of which is respectfully submitted.

I have the honor to be,

Sir,

Your obedient servant,

R. P. Fairbairn,

Engineer Public Works.

REPORT OF THE SUPERINTENDENT OF COLONIZATION ROADS.

To the Honourable J. O. Reaume,

Commissioner of Public Works,
Ontario.

Sir,—I have the honour to report the general works upon Colonization Roads during the year 1909:

Apart from the grants under various By-laws on account of which payments were made ranging from one-third to two-thirds of the Municipal grants which appear to be satisfactory; and without enumeration of various contracts and other special works and shown generally in the attached summary of roads and expenditure, there were about one hundred and forty-six miles opened, and eight hundred and ten miles repaired with many small wooden bridges as shown in the following statement, with the total expenditure.

I am, Sir,

Your obedient servant,

Henry Smith,

Superintendent, Colonization Roads.

North Division.

Aberdeen Township.—Through concessions 4 and 5 some two miles were opened and cleared to a width of 66 ft. and partly graded; and from Lot 11 half a mile was opened east through heavy green timber with another half mile opened upon the same road.

Atikokan Road.—One hundred and sixty rods of crosswaying, three hundred and twenty rods of grubbing for a width of sixteen feet, and, with a bridge two hundred and twelve feet long, and plank covering makes, the Inspector says, a useful road into the Mining Camps.

Assiginac Township Roads.—Grading and gravelling a mile on the Manitowaning and Lake Manitou Road, and over Lots 27 and 28 in the ninth Concession one hundred and twenty-five rods of gravelling. Also two hundred and forty rods were widened with one hundred rods of gravelling, and on the twenty-eighth side road three hundred rods were gravelled.

Blezard Township Roads.—Over lots 9 and 10 in the tenth concession, a mile and a half of repairs.

Blue, Pratt and McCrossen Roads.—Over lots four and five, concession two, ending on the same lots in the third concession, forty rods of corduroy and some one hundred and twenty-four rods of ditching, with one hundred rods of gravelling; and in the township of Blue, on concessions four and five, about four hundred and thirty rods of ditching and one hundred and sixty-four rods of tap drains were effected.

Blue and Curran.—In the townships of Attwood and Worthington, two hundred and eighty-five rods of double ditching was done with an equal length of grubbing.

Barclay and Dryden Road and Bridges. In Zealand township, over lot 22, concession 5, general improvements. Repairs were also made over lot 17 to lot 19, in the fifth concession of same township, amounting to about a mile and a half, and over lots 15 and 16 in the fifth concession, a mile or thereabout, ditched, graded and generally crosswayed.

Blake Township Road.—A work in the townships of Paipoonge and Neebing from lots 3 and 4, Blake townline, to lot 24, concession 4, Paipoonge. Wheel scrapers were used over the greater portion of the road and satisfactory repairs reported. On the townline between Blake and Paipoonge over lots 7 to 10, the length was generally graded and improved.

Bruce Mines and Thessalon Road.—A work in Lefroy township through section 23 being half a mile of general grading.

Bright, Concession 5, Road.—Over lot 3, concession 5, half a mile of grading, and southward a quarter of a mile.

Basswood Lake Road to Goldenburg.—Two miles and a half of grading from the west side of lot 2, crossing lots 4 and 5, in the 6th concession of Day, making an excellent highway.

Bright Additional, 4th Concession Road.—A mile and a half. Bright and Bright Additional Townline, about three-quarters of a mile was opened, graded and ditched between lot 1, concession 5, and lot 1, concession 6, and was opened through a very soft swamp.

Bridgland Road.—Four miles opened to the full width of 66 ft. at the north end of the township of Bridgland.

Billings Township Road.—Over lots 26 and 27, concession 14, grading and gravelling was done over about one hundred and seventy-five rods, with one hundred and twenty-five rods of work on the East Shore Road, east of Kagawong.

Bidwell Swamp Through Manitowaning.—Over lot 8, concession, 5, Bidwell, the road was filled with stone for seventy-eight rods to an average depth of about a foot.

Burpee Township Roads.—Some two miles were repaired in several sections, namely, over lots 21 and 22, concession 6, lots 24 and 25, on the 5th side line, and one hundred and sixty rods were graded between lots 24 and 25 in the fifth concession.

Barrie Island Roads.—Seventy-five rods opened and two hundred rods graded, with a mile of gravelling. A bridge was repaired with flooring, and representing altogether about fifty rods of improvements.

Cloudslee Road in Lefroy.—From the north end of section sixteen south the road was cut out sixty-six feet wide and grubbed, and from the south east quarter of section four north half a mile, thence west one mile, the length was generally opened, grubbed and graded, representing two and a half miles altogether.

Crozier Road, Section 21.—Some two miles of ditching, opening and stumping from a point fifteen chains west of the south east corner of section 21 to the west side of lot 20.

Carpenter Lots 10 and 11.—On the third and fourth concession over a mile of brushing, single and double ditching and tap drains represents the work done for the appropriation.

Centre Line Road, Lefroy.—Between sections 26 and 27 and 22 and 23, general improvements were made. It is a main highway.

Centre Line Road, Plummer.—Three miles of general grading and gravelling between lots 8 and 9, and practically the centre of the township.

Cockburn Island Township Road.—Repairs were made on lot 16, concession 14, and on the 10th side road, making general improvements for about three-quarters of a mile.

Carnarvon Township Roads.—On the 20th side line a mile was largely opened and stumped. On the 25th side line road through concessions one and four a mile was gravelled, and on the Lake Shore Road on or near lot 12 about 100 rods of gravelling was done.

Campbell Township Roads.—Three miles were repaired in various parts of the township.

Capreol Township Roads.—Between lots 6 and 7, concession 2, and 6 and 7 concession 3, two miles were stumped, graded and drained.

Creighton Township Roads.—A mile of chopping, clearing and grubbing over lots 7 to 10 in the sixth concession.

Carter Road in Johnson.—Half a mile graded with a mile of ditching and draining.

Devlin and Burriss Road.—From lots 8 and 9, concession 5, Burriss to the 6th concession, a mile and a half was opened and grubbed with more than a mile of ditching.

Dilke Road, Sections 24 and 25.—This work represents 138 rods of chopping, 108 rods of single ditch, 138 rods of corduroy, making a total of a mile and a half of new work.

Dinorwic North East Road.—General repairs on the above road for some four miles to assist transport to the Grand Trunk Railway, and other general uses.

Dorion Township Roads.—Two miles were cut out and a mile of grading with side cutting for a quarter of a mile. Over lots 7 to 11, concessions 3 and 4, the work was generally opening and widening a large quantity of crosslaying representing some five miles of work. On lot 13, concession 4, to the same lot on concession 2, half a mile of grading and ditching with necessary culverts. Thirty rods of grading across lots 4, 5 and 6, concession 6, and over lots 6 and 7, between concessions 4 and 5, 200 rods were improved. One hundred and eighty rods were brushed and improved over lots 4 to 2, and across lots 7 and 8 in the 4th concession, 200 rods were graded with 140 rods clearing and stumping over lots 7 and 8 in the second and third concessions, representing at least 10 miles of practically new road.

Dawson Road.—Over lots 6 to 21 in the township of McIntyre, two miles were opened, graded and ditched, with 50 rods of rock cutting, representing two miles of new road. Drain between sections 33 and 34 Prince. A tile pipe 380 feet long was laid 10 ft. below the surface for general drainage and 40 rods of grading was also done.

Dean Lake and Patton Road.—A work in the township of Patton on section 32, on which road a mile was repaired.

Day and Wells Road and Bridge.—A mile of grading in the township of Wells, on lot 2, between the first and second concessions.

Dunn's Valley Road.—Across lots 7 and 8 in the first concession of Galbraith, general work was effected, making a road about a portion of Twosson River to establish a general highway.

Douro Side Road.—Three-quarters of a mile well improved.

Dowling Township Road.—Repairs were made over lots 7 to 11 in the first concession, representing brushing and grading.

Eton Township Roads.—Through lots 1 and 2, in the second concession, general grading and covering of crossway between Oxdrift and Dryden, and between lots 10 and 11 corduroy was laid. A bridge was also built between lots 6 and 7, concession 2, and opposite lot 3, concession 3, three-eighths of a mile was repaired, representing a total of two and a half miles.

Extension of Bellevue Road.—This road was generally opened from section 41, Vankoughnet, to section 26, Fenwick, a length of more than three miles, including ditching in the low lands.

Espanola Bridge Approaches.—Half a mile of side cutting and a cement tile drain renewed. There was also digging and ditching for 30 rods, together with the opening of 40 rods on the road to Webbwood.

Espanola Road.—Two miles of general grading over various portions with more than a mile of work west of station, all in the township of Merritt.

Fairbanks Township Road.—Across lots 3 to 7, concession 6, clearing and ditching for some two miles.

Fraser-Leeburn Road.—In the township of Galbraith, on lots 4 and 5, concessions 3 and 4, a mile was cut out and generally gravelled.

Gillies North-East Road.—Two hundred rods of grading over lots 9 and 10, in the sixth concession, with a grading machine, representing one mile of work.

Gorham and McIntyre Road.—Over lots 15 and 16, concessions 1 to 3. The road was opened, drained and ditched, representing more than a mile and a half.

Goulais Bay Road.—A work through what is known as "Cranberry Swamp," which is two miles in length, one mile of which was largely made some years ago, was this season finished by logging, grubbing and grading of the remaining mile, with the further operation of a grading machine over the two miles, ditching was also done and three-quarters of a mile of wet, stony road was cleared and a heavy coat of gravel laid; fifteen hundred cubic yards of stone were distributed over some five miles, and a mile of improvement was made elsewhere.

Grasset and Parkinson Road.—A mile and three-quarters was well improved from lot 5 to lot 8 between Grassett and Parkinson, the work included clearing, grubbing, draining and ditching.

Gordon Lake and Aberdeen.—Across lots 3 to 5 in the second concession of Aberdeen, a mile and a half was opened to the full width of Government roads (66 ft.) and grubbed and graded, one mile all through green timber.

Galbraith-Houghton Roads.—Between concessions 2 and 3 across lot 5, of Galbraith, grading, with culverts and general ditching represent this work through a low portion of land with the clearing of a creek to lower water upon the road.

Gladstone Between Lots 6 and 7.—The opening, grubbing and grading of half a mile from lot 7 west, and includes a bridge, 75 ft. long, with spans of 22, 17, 15, and 11 feet; a pile structure.

Gordon and Allan Township Roads.—A mile and a quarter graded and gravelled on the fourth concession of Gordon with other repairs.

Harrow Township (Lots 10 and 11) *Road.*—The clearing and ditching of half a mile, the latter having an average depth of 2 feet, making an excellent road for half a mile.

Hoxeland, Shequiandah and Bidwell Roads.—Some two miles of improvements were made in the township of Bidwell over lots 10 and 12, concession 12 and 5 to 10, in the same concession, consisting of grading and gravelling and representing a length of about two miles.

Hanmer Township Road.—A mile of grading and corduroy. Another mile of stumping and grading over lots 7 to 9, concessions 1 to 4, and lots 10 and 11 in the above named township.

Hagar Township Road.—General grubbing, stumping and grading, with a bridge erected over Veuve River, on lot 13, between concessions 3 and 4.

Hamilton-Cadge Road.—In the townships of Parkinson and Grassett, lots 3 and 4, in the first concession, a mile of grading and repairing.

Ignace Road and Bridges.—More than half a mile was opened, including 900 feet of corduroy and an equal length of filling, a mile was also chopped and grubbed.

Iron Bridge in Gladstone.—There were three miles and a quarter of stumping and grading and being from lot 2, concession 2, to the north-west corner of lot 2, concession 3; thence angling across lots 2 and 3, concession 4, completing a road from Iron Bridge to Bellingham.

Iron Bridge and Bellingham Road.—In the township of Parkinson, from lot 8, concession 1, to concession 2, a mile and a half of repairs were made completing the contemplated repairs.

Iron River Bridge.—On the townline between Kehoe and McDonald, on section 3, bridges were renewed and general repairs made representing about a mile.

Jocelyn Township Roads.—From lot 33 to lot 36, A line, St. Joseph Island, three-quarters of a mile of double ditching and a mile and a half of clearing through a creek for general drainage purpose.

Kingsford Roads.—Ninety-eight rods of corduroying and one hundred and thirty rods of grading with ditching and drainage across lots 11 and 12 in the first concession on the townline between Kingsford and Carpenter, and over lots 6 and 7, concessions 1 and 2, general improvements were made and ditching and corduroying and top drainage was done on the third concession.

Keewatin and Spruce Lake Roads.—Three miles of repair was made, between "B" 16 to "B" 34, lot 4, Keewatin, also from lot 1 to lot 6, concession 10, and on lot 7, concession 4.

Kaministiqui Bridge Road.—Over lots 18 and 19 Oliver, 60 rods were cut out near the Canadian Northern Railway and generally improved.

Kagawong to Gore Bay Road.—A mile and a quarter of gravelling and grading across lots 20 to 26 in the eighth concession.

Kagawong to Providence Bay Road.—A mile and a half of general grading in the township of Billings.

Killarney Roads.—In the township of Rutherford, over lots 3 to 5 and east of Killarney were general improvements representing about a mile.

Louise Township Road.—A quarter of a mile of opening, stumping and grading in the sixth concession over lot 8, and a mile graded and crosswayed in the same vicinity.

Lavallee and Burriss.—Six miles of double ditching on the 3rd and 4th concession line of Burriss, with tap drains and ditching over almost the whole length.

Lash Sections 27 and 28 Road.—A mile and a half of draining and corduroy, chiefly the latter, which covered practically the entire length.

Lysbter Township Roads.—Between lots 4 and 8, concession "A," two and a quarter miles were generally improved, and over lots 5 to 7 in the fifth concession a mile and a half was cut out with other general work.

Lefroy and Plummer Townline Road.—From the south-east corner of section 19 north one mile; thence west along the north side of section 19 to boundary between Lefroy and Plummer, the road was improved, including a deviation of 60 rods, to avoid a bluff hill and making an excellent road as reported.

Lefroy, between Sections 5 and 6.—One mile opened and graded from the west corner of section 5 east to the south-east corner, and thence north to the north-east corner of the same section—about a mile of new work.

Lee Valley Road.—Over lots 6 to 10, concession 4, a road was opened 66 feet wide and half a mile graded.

Laird Township Roads.—Three miles of work, namely: half a mile of ditching and half a mile of gravelling and grading; half a mile of very permanent repairs were also made; they were made on the townline between Laird and McDonald. Again between sections "O" and "P" a mile was opened 66 feet wide and graded. On section 17 and between 5 and 6, three-quarters of a mile of ditching, with about a mile of general work between sections 7 and "E" in the above township.

Lumsden Township Roads.—Across lots 4 to 8, in the first concession, a road was opened for two miles.

Lepage Road.—General repairs in Wabigoon, between Stanley and Victoria Streets, ending at Railway Crossing, and including a bridge one hundred and twelve feet long. The length is about two miles, leading north from Wabigoon to a Scandinavian Settlement.

Morgan Township Roads.—Three miles were graded in the township of Balfour, from lot 3, concession 5, to lot 6, in the first concession of Morgan, and from lot 3, concession 5, to lot 6, concession 1, three miles were improved.

Mines Centre Road.—Seven miles opened, 16 feet wide, for the general improvement of the road.

Miscampbell Roads.—Between lots 2 and 3 about three-quarters of a mile was opened and grubbed, and with 67 rods of corduroying and 242 rods of ditching was done, and between concessions 1 and 2, lots 8 to 11, almost a mile of chopping, clearing and general improvements, also between the second and third concessions over lots 8 and 9 general improvements were made aggregating about three miles of road opened and repaired.

Mather Township Roads.—Over the centre line of Campbell, lots 8 and 9, through concessions 2, 3 and 4, five hundred and fifty rods of gravelling, three hundred and ninety-five rods of opening and grubbing, and with draining, ditching and culverts represents three miles. A mile of general grading with a mile and a half of other general work was performed over lots 8 to 12 between the 5th and 6th concessions.

Mutrie Township Roads.—A mile and a half improved over lots 5 to 8, concession 4, in clearing, stumping and grading.

Mark's Township Road.—Two miles and a half were opened and generally graded on lots 4 and 5 in the second concession and between lots 1 and 2 in the same concession.

McPhee Valley Road.—In the township of Galbraith, lot 1, concession 1 some heavy and expensive repairs were made amounting to about a mile.

Marsh River Road in Patton.—From quarter section 33 to north-east quarter section 32, the road was opened 66 feet wide and ditched from each side.

May Road, between Lots 11 and 12.—Half a mile of road was made across lot 12, in the township of May, and the length well graded.

May and Hallam Roads.—Between lots 10 and 11 a mile of excellent work was done in opening, grubbing and grading.

McGuire Creek Bridge.—A bridge of cedar was built over the above creek, lot 3, concession 5, Plummer, 44 feet in length and constructed upon a pile foundation.

Moran Township Road.—From lot 9, concession 1, south to lot 12 in the 4th concession, two miles were cleared and graded.

May Road, between Lots 8 and 9.—On the above road a mile was graded and a mile cleared of timber to a width of 66 feet, and reported as excellent work. It is between lots 8 and 9 and concessions 4 and 5 in May township.

Murray Mine Road.—In the township of McKim a mile of stumping and gravelling, and half a mile of stumping and grading on or about lot 6 in the 4th concession.

Meldrum and Gore Bay Road.—In the township of Robson, over lots 18 to 25, concession 30, were 60 rods of stone filling and a mile and a half of gravelling and grading was also done. Again, on lots 6 and 7, concession 6, there was a mile brushing and gravelling.

Mills Township Road.—General repairs upon concessions 4 and 5 and elsewhere representing about a mile of work.

Merritt Township Roads.—A bridge was built over Black Creek and a mile and a quarter of general repairs made.

North Concession Four, Howland Road.—On lots 4 and 5, concession 4, Howland township, and elsewhere, four hundred and twenty-five rods of general gravelling was laid for the improvement of district.

Nairn and Lorne Township Roads.—A bridge with culverts and other work was done on lot 10, concession 4.

O'Connor Township Roads.—The chief work is from lot 4 to lot 2, in the 4th concession, but on lot 9, between concessions 2 and 3, improvements were made, also between lots 6 and 7, concession 4, hills were reduced with the excavated material. Again between lots 6 and 7, concession 4, hills were graded, and on lots 6 and 7, concession 6, some two hundred and eighty dollars were spent in general grading with other repairs on the second concession aggregating a length of about five miles.

Oliver Road form Townline of McIntyre.—Over lots 1 and 2, concession 2, a mile was brushed out to the full width of 66 feet, with ditching and grading, and in the township of McIntyre a mile and a half was graded across lots 2 and 3.

Pattullo 21 and 22 Road.—Eight miles and a half of corduroying and ditching with a bridge one hundred and thirty feet long.

Pearson and Scobel Roads.—On Gillies and Pearson townline across lots 5 to 8 and concessions 1 to 5, a road was cut out for a mile with another half mile on lot 18 on the same line and over lots 8 to 11 in the second concession of the township of Scobel, about a mile, was generally cleaned out and well drained.

Plummer Township Roads.—About three and a quarter miles of repairs in five portions, namely on lot 1 between concessions 2 and 3, lot 12 between concessions 2 and 3, lot 10 between concessions 4 and 5, lot 8 and 9, concession 4, and on lots 3 to 5, all in the above township. In Plummer Additional, two miles were opened in Cuthbert and Hinks Location.

Plummer Sixth Concession Road.—Heavy hills were cut down and graded on lot 9 in the 6th concession, repairing half a mile through a difficult section.

Patton Roads.—Over lot 30 in second concession, 40 rods of a muskeg was filled and generally graded, and between lots 10 and 11 in the fourth concession, logging, stumping and grading was done, north half a mile and east another half mile.

Providence Bay to Michael's Bay Road.—About 7 miles of general repairs with a mile of gravelling.

Rayside Township Roads.—Across lots 7 to 10 in the first concession, a mile of fairly good work in clearing and grading.

Richardson Road.—Two hundred and ten rods of double ditching having an average depth of two and a half feet, together with 60 rods additional of top ditching. The work was chiefly in the township of Tait.

Roads in Jaffray and Melldick.—In the above townships, fourteen miles of general repairs were made for the use of settlers in that district.

Roads in Machin.—In the said township and in Sanford and Aubrey six miles of general repairs.

Road Through Concession Four, Van Horne.—Four and a half miles of general improvements were made in the townships of Van Horne and Aubrey, largely on lots 11 and 12 in the former township and across lots 1 to 5 in the latter.

Road Between Sections 25 and 26, Korah.—An extension for half a mile as a continuation of last year's work.

Road Through Section 26, Salter.—A mile opened, grubbed and graded from east to west of section 26 to the full width of 66 feet.

Ross Township Road.—From lot 3, concession 2, Plummer east one mile; thence in front of Section 20 half a mile, general repairs were made.

Robinson and Dawson Roads.—Three miles were repaired, largely in the township of Dawson, on the Manitoulin Island.

Salter Township Road.—From south end of Spanish River Road north, between lots 8 and 9, broken front of Salter, a quarter of a mile was opened and a mile grubbed.

South Mud Lake Road.—Three quarters of a mile of grading and put into good condition on section 18, in the township of Thessalon.

Shedden and Victoria Townline.—Across Section 35, Shedden, a mile was opened and grubbed, the Inspector reporting excellent work.

Striker Road.—On lots 11 and 12, concessions 4 and 5, a mile of repairs and in the third concession over lot 11 half a mile.

Sugar Lake Road.—Three miles opened 40 feet wide in the township of Victoria and grubbed sufficiently for a waggon road.

Sandfield Township Roads.—Five miles of general repairs.

Shequiandah to Little Current Road.—Two miles of general grading and gravelling. Grading was done on the townline between Assiginac and Tehkummah, south of the 6th concession, amounting to about one mile.

Schrieber Road.—A mile of new work and half a mile of repair.

Third Line Road, Korah.—Half a mile improved in the township of Korah, reported as very permanent work.

Thessalon and Nesterville Roads.—A work in the townships of Thessalon and Lefroy, consisting of three miles of grading and gravelling.

Thessalon and Day Townline Roads.—One mile of work completing the contemplated repairs.

Thessalon Roads.—Along the north boundaries of the Township, crossing section 26, a mile of improvements were made.

Townline Campbell and Carnarvon.—Over lots 10 to 14, four hundred and fifty rods were graded and four hundred rods gravelled.

Tehkummah Road.—On the fifteenth side road between concessions 1 and 4, in Tehkummah township, two miles were graded and over lots 18 and 19 in the

second concession a half mile of work was done and other repairs represents two and a half miles.

Vermillion River Roads.—In the township of Fairbanks across lots 1 to 3, concession 5, there was a mile and a half of general grading.

Wainwright Township Roads.—General repairs, largely ditching upon lots 2 and 3, concessions 3 and 4, amounting to over a mile through low lands.

Wabigoon-Barclay Road.—A work largely in the township of Zealand, where general improvements were made to bridges and roads through the Township, amounting to eight miles.

Wabigoon and Dinorwic Roads.—Through Southworth and Zealand townships some two miles were repaired and on lots 8 to 11, concession 5, serviceable work over about two miles.

Wolf River Road.—The expenditure for this road is reported in connection with the Dorion Township work.

West Division.

Ardtrea Road.—On the Muskoka Road in the township of Orillia, a mile was thoroughly graded and gravelled.

Ahmic Road in Ferry.—A work in the township of Croft over lots 30 to 35 in the 14th concession representing a mile and a quarter of new work and chiefly the laying of 96 rods of crossway.

Armour Road.—A mile opened across lots 3 to 5 in the 7th concession. On concessions 10 and 11 over lots 1 to 3, two hundred and fifty rods were cut out and on lots 11 to 12, concessions 4 and 5, a mile and a quarter was opened and graded and with five miles of repairs between lots 14 to 23 on the second and third concessions of Armour represents eight miles of work.

Booth Line Road.—Half a mile repaired in the township of Orillia.

Byng Inlet Road.—Half a mile was opened through the Indian Reserve and three miles repaired in the township of Wallbridge.

Burk's Falls to Sand Lake Road.—Over lots 7 to 12, concession 6 and south to lot 16, concessions 4 and 5, a mile and a quarter of repairs were made, and in the township of Bethune, a bridge one hundred and fifteen feet long was built.

Bear Lake Road.—A mile of repairs across lots 12 and 13 in the ninth concession of the township of Monteith.

Black Water Lake Road to McKellar.—One mile repaired on the townline between Christie and McKellar.

Bethune Five Side Road.—Fifty-one rods of grading.

Brunell-Franklin Roads.—Four miles, between Dorset and Huntsville and three miles in the township of Brunell were repaired.

Commanda Lake Road.—In Patterson township over lots 28 to 30 in the first concession, three-quarters of a mile was opened.

Cardwell-Watt Roads.—Improvements over seven miles.

Chaffey-Sinclair Roads.—Improvements over seven miles.

Distress Road.—In the township of Chapman over lots 20 and 21, in the 12th and 13th concessions, a mile and a quarter was opened.

Draper South Falls Road.—Two miles opened as a deviation over lots one to three in the 12th and 13th concessions.

East Armour Road.—General repairs over about three miles.

East Road Manitowaba Dam.—Grading and blasting of two miles.

Foley Road (Lots 112 and 113, Concession "A").—Two miles of repairs in the township of Foley, with another two miles on the 11th concession road.

Golden Valley and Arnstein Road.—In the township of Mills over lots 12 to 24, concessions 8 and 9, three miles were repaired.

Gurd Twenty Side Road.—General repairs were made on the 3rd and 4th concession of Gurd, on lots 38 and 39 and over lots 20 and 21 in the 4th concession, half a mile was repaired, with another mile and three quarters across lots 27 to 34, between the 6th and 7th concessions.

Gibson-Baxter Roads.—Three miles and a half of grading and general repairs.

Hagerman and Croft Townline.—Across lot 33, half a mile was opened, and in the township of Hagerman, one mile was well repaired.

Himsworth Roads.—Over lot 23, concession 9, a deviation was made, the right of way being secured by the Municipality and opening a mile and a quarter. A mile and a half was repaired across lots 28 to 30, between concessions 4 and 5, and on the Himsworth and Chisholm townline half a mile was opened across lots 1 to 5, in the 4th and 5th concessions. Also on the fifth side line in the same township of Himsworth, half a mile of repairs were made.

Healey and Orange Valley Road.—In the township of Christie, between concessions 10 and 11, and chiefly on lot 10, a completion of the work of last year was accomplished, representing about half a mile of work.

Kill Bear Road to Deep Bay Road.—A mile and three-quarters were opened in the township of Carling, from lot 28, concession 1, to lots 63 and 64, for general use.

Monteith and Perry Road.—Two miles and a half of work between lot 16, concession 10, Monteith, and lot 28, concession "A," Perry.

Mills Township Road.—A mile and a quarter opened through lots 27 to 29, in the 11th and 12th concessions.

Middle River Bridge.—A bridge was renewed on lot 32, in the 11th concession of McKellar, for a length of one hundred and forty feet, and half a mile of grading on lot 23, and elsewhere.

Machar and Strong Boundary.—From lot 19, concession 1, on the above named boundary, a mile and a half of gravelling.

Matchedash Roads.—A mile and a half of road was opened and one mile repaired.

Medora-Port Carling-Wood Roads.—Four sections, chiefly in the townships of Medora and Wood, were generally improved representing about three miles.

Muskoka Morrison Roads. For the grant of about seven hundred dollars, 5¼ miles were repaired in the above township.

McCaulay-McLean-Ridout Roads.—In the above townships the expenditure was for repairs—Ridout, 2 miles; McLean, 3½ miles, and McCaulay, 3½ miles.

McDonald and Lethbridge Roads.—On the townline between Medonte and Orillia, half a mile was generally gravelled and repaired.

McKellar Road, Second Concession.—A mile was repaired across lots 23 and 24.

McMurrich Thirty Side Line Road.—Repairs were made over two miles of work commenced two or three years ago.

McKellar Four and Five Concession. -The opening of half a mile across lots 24 and 26, and generally graded.

McKenzie Township, Twenty-five side road.—Some 3 miles were opened along Deer Lake from lot 26 to lot 3, in the second concession, with some general repairs.

McKellar, Four and Five Concession Roads.—A mile of work to complete a road begun last year.

North Road in Ferguson. Repairs over 3¾ miles in the townships of Ferguson and McDougall.

Nipissing Road in Humphrey.—Six miles and three-quarters were repaired, and on the Himsworth and Nipissing townline, three-quarters of a mile was opened, with another mile and a quarter on lot 13, concessions 10 to 12, leading to Fish Bay.

Port Cockburn Road.—Some 3 miles of repairs.

Port Severn Road.—In the township of Conger, through lots 30 and 39, concession 9, 180 rods were opened and 136 rods graded, and in the township of Tay, over lots 13, 14 and 15, concessions 13 and 14, an excellent road was made, making about 2 miles of new road.

Ryerson Seventh Concession Road.—General repairs over something like 2 miles.

Ryerson Centre Road.—In the townships of Armour and Ryerson, over lots 36 and 37, concession 9, Armour, and lots 8 and 9, concession 9, Ryerson, general repairs were made.

Restoule Loring Road and Bridge.—In Hardy township, lot 4, concession 2, a new bridge was built 90 feet long, to replace one of 120 feet, the balance in length being filled in permanently. Over a mile was also opened from lot 15, concession 2, with 80 rods of crosswaying.

Ryde-Oakley Roads.—Four portions amounting to 8 miles, were repaired in the two townships.

Ragged Rapids Road.—On lot 16, concession 6, Orillia township, excellent repairs are reported for half a mile, chiefly grading.

Road in Laurier Township.—Half a mile opened over lots 10 and 11, in the 2nd concession.

South Himsworth Road.—Half a mile was opened on lot 7, concession 8, and another on the 11th and 12th concessions, between lots 5 and 6, making about 2 1-4 miles altogether.

Strong and Joly Townline Road.—Between concessions 6 and 7, a mile and a half of grading and ditching.

Strong Township, Five Side Line.—Over lots 5 and 6, between concessions 6 and 7, a mile was opened.

Westphalia Road.—Between concessions 1 and 2 of Gurd, from lots 22 to 27, and upon other portions 2½ miles were repaired.

White Stone Deer Lake Road.—General repairs over some 2 miles.

Waubamic Station Road.—Two miles and three quarters repaired.

East Division.

Anson and Minden Roads.—Some ten miles of repairs.

Airy Township Roads.—On the 4th concession, between lots 7 to 16, more than 1¼ miles was graded, drained and generally improved.

Appleby Roads.—Two miles of clearing and grubbing from lots 1 to 4 inclusive, on the north boundary. Across lot 36, half a mile of grading was done and between concessions 2 and 3 and lots 2 and 3, another mile of work representing altogether 4 miles of repairs.

Alice Tenth and Eleventh Concession Roads.—Over lot 14, between 11th and 12th concessions and across lot 9, between concessions 10 and 11, half a mile of improvements.

Admaston Township Roads.—Four and three-quarter miles of general improvements over four sections.

Arden to Dead Creek Road in Kennebec Township.—Between lots 21 and 25, concessions 7 and 8, 2 1-2 miles were improved.

Anstruther Township Roads.—Four miles repaired between concessions 2 to 14 and reported as very satisfactory work.

Bessemer and Long Lake Road.—Over lots 16 to 18, in the 9th concession, crosswaying and general improvements were made for half a mile.

Bessemer and Hermon Road.—General repairs were made in the township of Mayo, lots 9 to 11, concessions 8 and 9, for a length of three-quarters of a mile.

Bancroft and Hermon Roads.—A work in Dungannon township, between concessions 11 and 12, and across lots 5 to 7, something like a mile.

Burgess Mine Road.—This work is in the township of Carlow, upon the leading road into the Corundum Mine and to the Central Ontario Railway at Maynooth Station, and is about 7 miles long.

Bell's Rapids Road.—Half a mile of road opened in Bangor township, on lots 11 and 12, in the 14th concession.

Bancroft and Maynooth Road.—Some 3 miles of repairs on the boundary of Monteagle and Herschell, on the Hastings Road general repairs were made for some 3 miles.

Bancroft and Coe Hill Road.—A mile of repairs in the township of Faraday.

Bridge at McArthur's Mills in Mayo Township.—A bridge was rebuilt having a 39 feet span and necessary approaches. The material used was chiefly cedar and pine.

Bridge at Gin Creek.—On lot 34, concession 10, township of Ashley, a bridge was renewed, having a 28 ft. span, and including 200 feet of approaches.

Bexley-Somerville Road.—Six miles and a half were repaired, largely in Somerville and on the Monck Road, for the general improvement of the roads in that section.

Boulter Township Roads.—Four sections were improved, representing 2¾ miles.

Bonfield Township Roads.—Some 9 sections were repaired representing a length of about 9½ miles.

Bigwood Road.—Across lots 4 and 5, concessions 5 and 6, a mile was cleared, graded and drained.

Bear Lake Road in Martland.—A mile of clearing and grading across lots 6 to 8, in the 3rd concession.

Bastido Second Concession Road.—In the township of Field across lots 1 to 4, two miles of repairs were made with some bridge construction.

Badgerow Road.—Half a mile was opened and one mile of grading between the 2nd and 3rd concessions across lots 10 to 12, all in the township of Badgerow.

Belmont Township Roads.—Across lots 32 to 36, concessions 6 and 7, grading and repairs were made amounting to something like a mile and a half, and on the Cordover Road about 4 miles were repaired.

Burridge to Fermoy Road.—Three and a half miles repaired in the township of Bedford, largely between lots 18 to 22, and on the 7th and 9th concessions.

Burleigh Township Roads.—Half a mile was opened and 5 miles improved.

Buckhorn Road.—Five miles of general repairs.

Bonnechere River Road.—In North Algoma, lots 21 and 22, concessions 5 and 6, a mile was generally improved.

Brougham Township Roads.—Half a mile of work, chiefly the introduction of many new culverts.

Brudenell and Lyndoch Townships.—Three miles and a half of general repairs, chiefly in the townships of Brudenell and Hagarty.

Brudenell and Foymount Roads.—A quarter of a mile of repairs on lot 22, in the second concession.

Bagot and Blythefield Township Road. In Bagot township, over lots 25 and 26, in the 7th and 9th concessions, and on lots 11 and 12, in the 11th and 12th concessions, about 4 miles of repairs were effected.

Bellamy Road.—A mile and a half of improvements in the township of Pakenham, over lots 14 to 16, in the 3rd concession.

Barrie and Clarendon Roads.—A work between the townships of Barrie and Clarendon, amounting to about a mile of repairs.

Bollingbrook and Mayberley Road.—In North Sherbrooke, over lots 11 and 12 in the 3rd concession, half a mile of road was opened.

Cardiff and Monmouth Roads.—About 11 miles were improved upon the above roads over some six sections, along which are Cardiff, nineteenth concession from Deer Lake, Glamorgan and Monmouth boundary, Monck Road in Monmouth, Deer Lake Road to Bancroft, Road from Tory Hill to Hotspur and on the Burleigh Road in Monmouth.

Corundum Mine Road.—General repairs over about 2 miles of the township of Monteagle, from Hastings Road to lot 21, in the 7th concession.

Cashel Road.—Across lots 13 to 16, concession 8, a road was opened and graded for a length of three-quarters of a mile.

Carden Township Roads.—The Bolsover and Dalrymple roads were improved in the township of Carden in lots 3 to 10, in the 2nd concession, for about two miles and over lots 6 to 10, in the 3rd and 5th concessions, another 2 miles were repaired.

Chisholm Township Roads.—Over 5 sections, namely, concession 6 in front of lots 9 to 10; concession 16, 5th to 10th side line; on the 10th side line, concessions 8 and 10; 15th side line, concession 9; and 20, 20th side line, concessions 12 and 13, 2 1-2 miles of repairs.

Cross Lake to Madawaska Road.—In the township of Lyell, a mile and a quarter on or near lot 14, concessions 13 and 14 was repaired.

Calvin Township Roads.—Four miles of repairs were made on the following portions, namely, concession 6 from 10 side line, drainage on the boundary of Papineau, concession 2, from lot 6 to 2, between concessions 1 and 2, on the 25th side line and on the 5th side line, concessions 4 to 2.

Cameron Township Roads.—Across lots 9 to 11, concession 24, general repairs were made for half a mile and other work was on the townline between Cameron and Papineau over lot 1, concession 24, consisting of 24 chains and general grading and with other repairs, represents a mile and a half of work.

Cosby Township Roads.—Between lots 2 and 4, in the second concession, and over lots 2 and 3 in the second and third concession, represents fully two miles of general grading.

Crerar Concession Two Road.—A half a mile opened and half a mile cleared and repaired.

Cassimir and Dunnett Townline Roads.—A mile graded, stumped and grubbed across lots 1 to 4.

Caldwell Township, Concession "B."—A half mile of clearing and grading on lots 11 and 12 on the concession named.

Crerar Road (Concession 3 and 4).—Across lots 1 and 2, the township of Crerar, a quarter of a mile of grading and general improvements.

Cache Bay Road.—In the township of Field, between lots 8 and 9, concessions 4 and 5, a mile and a half was cleared, graded, and a quarter of a mile gravelled. Also between lots 8 and 9, and concessions 1 and 2, three-quarters of a mile was generally graded and cleared, making three miles and a quarter of work.

Chandos Township Roads.—Six miles were repaired between lots 1 and 24, on the 9th and 10th concessions and over lots 25 and 26 in the third concession, other improvements were made for a mile or over.

Cavendish Township Roads.—Three Sections, known as White Section, Davis Section, and Windover Section, were repaired, covering a length of six miles.

Carden and Mara Townline.—Some two miles of repairs.

Curley's Bridge and Road.—A bridge was erected between Stafford and Pembroke township, lot 21, in the first concession, the length being one hundred and twenty feet.

Clyde Forks Road.—In Levant township, over lots 14 to 16, concessions 8 and 9, general improvements were made for about half a mile.

Crowe Lake Road.—In the township of Oso, lot 2, concession 4, to lot 2, concession 2, about two and a half miles of improvements were made.

Clarendon Station and Ardoch Road.—A work in the townships of Clarendon and Oso, from Clarendon Station northward about two miles.

Dalton Township Roads.—On quarter line road, lots 25 and 26, on road at Harts and on the Sadowa Road, a mile and a half was repaired.

Dunnett and Appleby Road.—Half a mile of repairs, largely between lots 1 and 2, in the second concession of the above road, and on Dunnett Road, in the third concession, a mile was repaired, with another half mile across lots 6 and 7 in the first and second concession.

Desaulniers Bridge Road South.—A work in the township of Field, consisting of half a mile of general grading.

Dummer Township Roads.—A mile and a half of repairs and the erection of a bridge, that latter costing about one hundred and twenty-five dollars.

Darling Township Roads.—Through lot 12, concession 6, a road was opened about a heavy hill and over lots 10 and 11, concession 3, there was general repairs with gravelling.

Denbigh and Palmer Rapids Road.—Half a mile opened in the township of Denbigh, from lot 26, and ending within two miles of the boundary between Addington and Renfrew.

Dwyer Road.—In the township of Hinchinbrooke, over lots 1 to 6, concession 12, a quarter of a mile was opened.

Eldon and Carden Boundary.—In the township of Carden, over lots 1 to 5, in the second concession, a mile and a half of general grading and surfacing.

Eel Lake Road.—From the Sydenham and Fernoy Road to Eel Lake Road, in the township of Loughboro, a mile of general repairs are reported.

Faraday and Herschell Boundary.—Repairs over three-quarters of a mile.

Ferris Township Roads.—On lots 16, concession 7, side line 15, concession 8, on concessions 16 and 17, concession 6, lot 14, 20 side line, concession 2, road from Nosbonsing Station to townline and North Bay and Widdifield, on the 16th concession, about four miles were generally improved.

Faulkner and Martland Townline.—A mile graded between concessions 4 and 5, in Martland, and a mile cleared and stumped from concession 5 to concession 6 on the boundary between Faulkner and Martland.

Fish Creek Road to Tichbourne.- In the township of Bedford, across Lots 24 and 25, in the first concession, a mile and a quarter of repairs were made.

Finlay Station Road. Three miles were repaired in the township of Pittsburg, between lots 20 to 30, in the second and third concessions, the Municipality crushing the stone and laying it upon the road ready for work.

Glamorgan and Snowden Roads.—This work was distributed over various sections, namely: Bridge south Lake Creek, South Dutch Line, Gelert Road, in Snowden, Glamorgan to Monmouth; road from boundary Snowden and Gooderham, Bell Street Road, in Glamorgan, and over which seven miles of general work was done.

Gibbons Roads.—Two miles of grading from lot 1 to lot 6 in the third concession, and another mile and a quarter across lots 9 to 12, concession 4. Three-quarters of a mile was graded on lots 10 and 11, in the second concession, with a mile of corduroying and stumping, four miles and three-quarters altogether.

Grant Township Road.—Across lots 1 and 2, concession 2, township of Field, there was a mile of grading.

Galway Township Roads. Seven miles of repairs comprised of three miles across lots 9 to 25, concessions 10 to "A," 20 rods with three stone culverts and other general work. Over lots 23 to 25 in "A" concession, draining and turnpiking over a mile and a floating bridge on lot 24, concession 10, was re-constructed, and from lots 5 to 12 between concessions 16 and 17 three miles.

Gratton Township Roads.—Two miles repaired on Gratton Road, the eleventh concession townline, and on the Perrault Road.

Gananoque and South Lake Road.—A quarter of a mile repaired on lot 9, concession 24, of the township of Leeds.

Godfrey Roads.—On the boundary of Olden and Hinchinbrooke, from lot 30, concession 4, to lot 17, concession 3, a quarter of a mile was opened and in the township of Olden a road was opened and graded for three miles.

Hastings Road.—In the township of Cardiff, over lots 26 to 28, in the twentieth concession, a half mile of improvements were made, and another mile through lots 10 to 13 leading to L'Amable.

Hybla Station Road.—Three-quarters of a mile was well improved, covering 25 rods of crosswaying and gravelling. The work is in Monteagle township.

Herschell Township Roads.—Two miles repaired over lots 6 to 10 in the third concession, and on the 12th concession.

Head, Clara and Maria Roads.—Two miles repaired on the Pembroke and Mattawa Roads, in Head township, and three and a half graded over lots 23 to 43, concession "A," Clara township.

Hugel and Crerar Roads.—Some two miles were repaired.

Hugel Township Roads.—Between concessions 3 and 4 and lots 6 and 7, a quarter of a mile of crosswaying and a mile and a half of grading and blasting over lots 3 to 6 in the fourth concession.

Harvey Township Roads.—Seven miles of repairs in this township.

Hagarty, Sherwood, Jones and Burns Roads.—This work was distributed over ten sections and given in detail in the appendant summary of expenditure, the work represents about ten miles of improvements.

Jones Falls and Battersea Roads.—Five miles of repairs for the expenditure of $200.

Kirkpatrick and McPherson Townline.—From lot 5 to lot 8, a mile and a half was graded and half a mile of swamp gravelled to a depth of five inches.

Kingston and Perth Roads.—On the boundary between Frontenac and Leeds two miles were repaired with another quarter of a mile in the township of North Crosby.

Lyell Township Road.—A mile and a quarter from lot 31 concession 11 to lot 26 in the 13th concession, other repairs were made on lot 7.

Labrosse Road.—In the township of Badgerow between lots 8 and 9 concessions 2 and 3 extensive repairs were made and in the same township corduroy was covered and generally graded with many other general improvements.

Lacasse Road.—Half a mile graded in the township of Caldwell.

Lacroix Road.—In the township of Field across lots 4 to 11 concession 3 miles were improved with a considerable quantity of bridging, two miles in the same township were also cleared and graded over lots 9 to 11 including bridges over a length of one hundred and fifty feet and general height of thirteen feet.

L'Amable and Fort Stewart Road.—In the township of Dungannon on lots 18 to 15, concessions 7 and 10, three miles were improved, including a solid stone culvert and approaches.

Loughboro Lake Road.—About a mile and a half of work in the township of Loughboro on the North Shore Road.

Lanark Road.—About a quarter of a mile of road opened in the 10th concession.

Lane Road.—Two miles and a half of construction.

Lutterworth, Laxton and Digby Roads.—Ten miles of repairs were made over the 12th and 13th concessions of Lutterworth, the Monck Road in Digby and in Laxton.

Minden, Sherbourne and Stanhope Roads.—Repairs were made on lots 19 to lot 22 and lots 16 to 21 concession 4 and over lots 1 to 2 and elsewhere in the township of Minden. In the township of Sherbourne on the Bobcaygeon Road deviations and improvements were made and on the boundary between Minden and Stanhope there was drainage altogether four and a half miles.

Mattawan Township Roads.—Three miles of repairs on lot 10 concession 4, lots 3 to 8, concession 8 and lots 35 to 39 in the 4th concession and what is called Les Erables Road.

Mattawan-Bonfield Road.—A mile of repairs.

Maynouth and Madawaska Road.—In Wicklow township, lots 20 to 21 concessions 12 and 13 about half a mile of repairs.

Musclow Road.—Over lots 15 to 25, concessions 2 and 4 Monteagle some two and a half miles of repairs.

Mutrie Station Road.—Across lots 10 to 12 between Badgerow and Bigwood a mile and a quarter was opened with half a mile of grading and rock blasting.

Murray Swamp Road.—In the township of Loughboro about a mile of improvements were made.

Methuen Township Road.—A quarter of a mile was improved across lot 1, concession 5, in the above township.

McKenzie Lake Road.—In the township of McClure between lots 10 and 11 concessions 10 and 11, general repairs were made with a mile and a half in the townships of Lyell and Sabine.

McPherson Road.—A quarter of a mile was cleared and graded and another half mile cleared and stumped and over lots 7 to 9 a quarter of a mile was graded all in the 5th concession.

North Bay and Bonfield Roads.—A mile and a half of repairs all in the township of Bonfield.

North Algoma Sixth Concession Road.—A mile and a half of repairs.

North Crosby and Perth Road.—Three miles repaired in the township of North Crosby.

Paddy Road.—Repairs on lot 8 in the 4th concession of Bangor.

Peterson Road East of Maynooth.—On the boundary between Monteagle and Wicklow, across lots 20 to 25, very permanent work was done for more than a mile and a half.

Papineau Township Roads.—Ten sections were repaired, amounting to about four miles of work and given in detail in the summary of expenditure following the report.

Perrault Road, Gratton.—A mile of work.

Paquette Road.—A half mile of grading including a bridge.

Portage Road in Thorah.—Across lots 1 and 2, two hundred and forty rods of grading and general work and two hundred rods of gravel 9 inches deep laid over the road.

Plevna-Fernleigh Road.—From Plevna and Ardoch Road to Fernleigh five miles were repaired.

Ratter Road.—Between lots 6 and 7 and through concessions 3 and 4 a mile was opened and a half a mile graded.

Ratter and Dunnett Townline.—Across lots 10 to 12 a mile was graded.

Raglin and Radcliffe Township Roads.—Something like three miles of general work.

Rockingham and Palmer Rapids Road.—In the township of Radcliffe across lots 27 to 30 in the second and third concessions, general improvements were made.

Road from Westport to Sherbrooke.—A quarter of a mile of work.

Scollard North Boundary.—Three-quarters of a mile opened and a quarter of a mile graded.

Springer and Caldwell Townline.—A mile of clearing and grading on the above townline.

Sturgeon River Road.—In the township of Field several bridges were erected and a large quantity of filling and grading was done to an average depth of about three feet, making a travellable highway.

Smoky Falls Road.—In the township of Springer between lots 2 and 4 concessions 4 and 5 two miles of grading and gravelling.

Swamp Road.—On the boundary between Hastings and Lennox and between the townships of Richmond and Tyendigena one hundred rods were raised three feet with stone and other material. The townships named are spending each $200.00 in order to complete and supplement the Government grant.

Stafford's Corner to Perth Road.—Half a mile of work in the township of Loughboro on lots 13 and 14 in the 6th and 7th concession.

Seeley's Bay and Battersea Roads.—A mile of repairs across lots 17 and 18 in the 10th concession.

Sydenham and Fermoy Roads.—Forty rods of stone filling between Mud and Desert Lakes in the township of Loughboro.

South Algoma Road.—On the concession road between 5 and 6 across lot 9, repairs were made for, the report says, three-quarters of a mile.

Sebastopol Township Road.—Repairs on lots 34 and 35.

Third Concession Road of Dalhousie.—A mile of work across lots 9 and 10 between concessions 2 and 3, 12th concession Monaghan, two miles were generally repaired over lots 1 to 6 in the 12th concession with a considerable quantity of gravel, the material of which was supplied by the township.

Victoria Road, North and South of Uphill.—Seven miles of repairs.

Verner and Warren Road.—A mile and a half graded with culverts, and is across lots 1 to 4 in the 5th concession of Kirkpatrick.

Verulum Road.—On lot 18, concession 8, Verulum, a bridge was built with approaches.

Widdifield Township Roads.—Repairs were made over eight sections, including the 8th side line concession 1, lots 4 to 6 from Trout Mills to Woodland Road, concessions 1 and 2 from the T. & N. O. Railway, the 18th side line of concessions 1 and 2 and lots 20 and 21 of concessions C and B, also over lots 16, 17 and 18 in B concession and the 16th side road of concession A representing about 7 miles of improvements.

Warren and Markstay Road.—Three and a half miles repaired across lots 5 to 12, concessions 2 to 4, in the township of Ratter.

West Arm Bay Road, McPherson.—Between lots 2 and 3, concessions 2 and 3, a mile of clearing and grading and is known as Monetville Road, on lots 1 and 2, concessions 3 and 4 excellent repairs were made and with the filling of 800 feet of stone for an average depth of four feet represents about two miles of work.

Wolf Grove Road.—A mile was opened in the township of Ramsay across lots 6 to 16 of concessions 4 and 7, the right of way was secured for a small sum.

Wollaston Township Road.—Across lots 24 to 26 in the 10th concession a road was opened and improved and for the length of one mile.

Wilkinson and Picadilly Road.—Through the 7th and 8th concessions lots 3 and 4 repairs were made for about half a mile.

Wingle and Palmer Rapids Road.—A half mile of repairs in the township of Raglan.

Temiskaming District.

Armstrong Road.—Between 5th and 6th concession, three-quarters of a mile was opened 66 feet wide, stumped and graded, with ditching up on each side and in the same township of Armstrong between concessions 2 and 3 over lots 3 to 6, two miles were improved.

Armstrong and Hilliard Townline.—Through concessions 1 to 3 inclusive three miles were ditched and graded for the sum of about $1,400.00, and across lots 4, 5 and 6 about two miles and a half were ditched and graded with a half a mile of stumping and ditching on the 6th concession representing altogether five and a half miles of work.

Beauchamp Road through Concessions 3 and 4.—Chopping and stumping, grubbing and ditching for a mile across lots 5 and 6. Gratis work was done by settlers as to the chopping and grading.

Beauchamp and Dack Road.—Three miles were opened through concessions 5 and 6 and across lots 10 to 11 inclusive and well graded and ditched.

Brethour Road and Bridge.—Between concessions 1 and 2, lots 7 to 8, a mile of ditching and grading was done to Wright's Creek. A bridge was built over Wright's Creek and 50 rods were graded. In addition to the above a mile and a quarter was opened, 66 ft. in width, between lots 8 and 9 in the 3rd concession and thence easterly for about 10 rods, aggregating two and three-quarter miles of work.

Barr Township Road.—In the township of Barr, lots 1 to 7, concession 7, over four miles were opened, twenty feet wide and generally stumped and graded.

Chamberlain and Pacaud Boundary.—Across lots 1 to 4 on the above boundary two miles and a half were thoroughly improved over a rough section requiring heavy filling bridging.

Chamberlain Road between Concessions Two and Three.—Two miles and a half of very heavy work was done across lots 7 to 12, concessions 2 and 3, in the cutting down of some 16 hills and grading the full length with a further length of ditching for about half a mile.

Chamberlain Third and Fourth Concession Roads.—Two and a quarter miles were opened, ditched and graded between lots 3 to 6 and lots 6 and 7.

Cane Township Road.—From lots 7 to 12, concession 5, three miles were opened 60 feet wide and generally stumped and graded with ditching up each side of the central 30 feet, the whole length was through low wet land making work very difficult.

Charlton and Englehart Road.—The work in the township of Dack, over which large amount of work was done over many portions with grading machine work putting some five miles into excellent condition and may be said to represent five miles of new work.

Firstbrook Road between Fourth and Fifth Concessions.—From lots 1 to 5, a mile and a quarter was well improved and a road opened a mile long over lots 1 and 2 in the 4th concession.

Gravelling Old Roads.—Across some four or five townships about 85 miles were repaired and improved with a grading machine.

Hilliard Road.—Two miles opened through concessions 5 and 6 to a width of 60 feet, grubbing 30 feet of its centre and making a generally fair road and between lots 2 and 3 a mile was opened through a stumpy section.

Harris Township Road.—Between lots 2 and 3, concessions 1 and 2, thence east across lot 3, a road was chopped out, stumped, grubbed and ditched for two miles. A mile was opened between lots 4 and 5 in the 6th concession including half a mile of crosswaying and double ditching throughout. Between the 4th and 5th concession a road was opened one mile long across lots 1 and 2.

Hilliardton North Road.—Three miles were opened through a green bush and well grubbed. The work was on lots 7 and 8 and concessions 3 to 5 in the township of Hilliard.

Hilliard Road between Concessions One and Two.—Half a mile cut out with half a mile of ditching and three-quarters of a mile chopped between lots 3 to 4 with half a mile of grading on lot 5, concession 2.

Harris Mountain Road.—In the township of Harris across lots 3 to 5 in the 6th concession about half a mile of road was opened.

Hilliard between Concessions Three and Four.—A mile and a quarter representing crosswaying, ditching, grading and bridge building.

Henwood and Beauchamp Townline.—From lot 10 Armstrong to lot 5 Beauchamp, general repairs were made with a bridge over lot 2 66 feet in length. Another bridge was built 176 feet long and 25 feet high on lot 3 and with crosswaying, ditching and grading has opened a fairly serviceable road to St. Jean Baptiste Creek for a length of 2 miles.

Ingram Road between Concessions Three and Four.—Two miles and a half were opened 60 feet wide and grubbed to a width of 30 feet, the whole length being ditched and graded.

Larder Lake Road.—This work was from about two and a half miles from Dane within a mile and a half of Larder City, representing a mile and a quarter of grading with double ditching.

Marquis and Savard Boundary.—A mile and three-quarters opened over a rocky section, graded, ditched and generally improved.

Mountain Chute Road.—On the townline of Cane and Barbor north half a mile to blind line; thence west two miles between concessions 5 and 6 to Mountain Chute a new road was cheaply opened.

Robilliard Road between Concessions Four and Five.—A mile and a half of double ditching, the work was costly as some twenty-one hills required heavy cutting.

Road between Concessions Two and Three, Harley.—The whole length from lot 9 to lot 11 was chopped and cleared and with ditching up on each side is said to be a very permanent road and with a municipal offering of $100.00 made an excellent road for about a mile.

Road between Concessions One and Two, Hudson.—A mile and a quarter opened, stumped and graded.

Sharp and Savard Townline.—A mile of road was opened over lots 1 and 2, requiring 40 rods of crosswaying over about one mile.

Townline between Savard and Robilliard.—Some two miles of stumping and ditching.

SUMMARY OF EXPENDITURE ON COLONIZATION ROADS AND BRIDGES IN THE YEAR 1909.

North Division.

Name of work.	Expenditure.
Aberdeen North Town Line	$500 00
Aberdeen Township, Concession 4 and 5 road	500 00
Assiginac Township (McCauley Section)	150 00
Assiginac Township (Lewis Section)	449 95
Atikokan Road	993 44
Aweres Road	997 13
Bruce Mines and Thessalon Road	300 00
Bright Road, Concession 5	300 00
Basswood Lake Road to Goldenburg	400 00
Bright Additional Road, 4 Concession	398 35
Bright and Bright Additional Town Line	500 00
Bridgeland Road	499 17
Blake Township Road	800 00
Barclay and Dryden Road and Bridge	1,500 00
Billings Township Road	350 00
Bidwell Swamp to Manitowaning	299 77
Burpee Road (Keown Section)	200 00
Burpee Road (Bailey Section)	398 54
Barrie Island Road	200 00
Barrie Island Bridge	250 00
Barrie South between 4 and 5	400 00
Blue, Pratt and McCrosson	1,500 00
Blezard Road	499 55
Blue and Curran Road	474 12
Broder Township Road	850 00
Batchawana Road	500 00
Centre Line Road, Lefroy	500 00
Centre Line Road, Plummer	500 00
Cloudslee Road in Lefroy (Horrick Section)	650 00
Cloudslee Road in Lefroy (Pace Section)	350 00
Carter Road to Johnson	250 00
Continuation of Blake Road	200 00
Cockburn Islands Roads	245 88
Carnarvon Township Roads (Cay Section)	199 62
Carnarvon Township Roads (Elliott Section)	200 00
Carnarvon Township Roads (Galbraith Section)	200 00
Campbell Township (Smythe Section)	150 00
Campbell Township (Clarke Section)	100 00
Campbell Township (Clarke Section)	250 00
Campbell Township (McDonnell Section)	100 00
Crozier Road, Section 21	1,000 00
Carpenter, 10 and 11	700 00
Capreol Township Road	746 43
Creighton Township Road	300 00
Creighton Road Bridge	150 00
Dean Lake and Patton Road	300 00
Day and Wells Road and Bridge	396 03
Dowling Township Road	600 00
Dunns' Valley Road	500 00
Dinorwic North East Road	310 32
Dorion Township Roads	3,000 00
Dawson Roads	1,656 80
Devlin and Burriss	1,400 00
Dilke, Sections 34 and 35	790 88
Drain between Sections 33 and 34 Prince	223 43
Dunns' Side Road	200 00
Eton Township Road	500 00
Espanola Bridge Approaches	700 00
Espanola Road	999 53
Extension of Bellevue Road (Kerr Section)	979 33
Extension of Bellevue (Legge Section)	499 75
Fraser Leeburn Road	500 00
Fifth Line Road in Zealand	500 00
Fairbanks Township Road	350 00

Name of work.	Expenditure.
Fenwick Road	299 00
Grassett and Parkinson Road	495 09
Gordon Lake Road, Aberdeen	500 00
Galbraith, Houghton Road	500 00
Gladstone, Lots 6 and 7, Road	500 00
Gillies' North East Road	300 00
Grant to O'Connor Township 25-mile Bridge	500 00
Gordon and Allan Township Roads (Wilson Section)	200 00
Gordon and Allan Township Roads (Cockburn Section)	400 00
Goulais River Road	150 00
Goulais Bay Road	1,994 24
Gorham and McIntyre	1,000 00
Harrow Township Roads, Lots 10 and 11	400 00
Hamilton Cadge Road	200 00
Hilton Township Road of 1907	100 00
Howland, Sheguiandah and Bidwell Road (Ferguson Section)	400 00
Howland, Sheguiandah and Bidwell Road (Stringer Section)	200 00
Hanmer Township Roads	749 48
Hager Township Road	932 78
Hager Bridge	500 00
Haviland and Vankoughnet Town Line	149 50
Iron Bridge Road in Gladstone	990 37
Iron Bridge Road in Bellingham	400 00
Iron River Bridge	499 62
Ignace Road and Bridge	600 00
Jocelyn Township Road	599 77
Kaministiquia Bridge Road	125 00
Keewatin and Spruce Lake Road	496 33
Kagawong and Gore Bay Road	398 46
Kagawong to Providence Bay Road	300 00
Killarney Roads	250 00
Kingsford Road North	1,000 00
Kingsford, Lots 10 and 11	495 70
Kingsford and Carpenter Town Line	497 70
Laird Township Roads (Hollingsworth Section)	400 00
Laird Township Roads (Micks Section)	400 00
Laird Township Roads (Murray Section)	200 00
Laird Township Roads (Bruce Section)	197 52
Lefroy and Plummer Town Line	500 00
Lefroy, Sections 5 and 6	499 77
Lee Valley Road	500 00
Lybster Township Road	499 97
Lepage Road	399 97
Little Current to Honora	200 00
Lavallee and Burriss Road	1,485 04
Lash, Sections 27 and 28	1,000 00
Lorne Township Road Bridge	300 00
Louise Township Road	700 00
Lumsden Township Road	750 00
McPhee Valley Road	499 97
Marsh River Road in Paton	500 00
Mather & Potts of 1907	46 91
May, between Lots 11 and 12	499 30
May and Hallam, 4 Concession Road	500 00
McGuire Creek Bridge	299 98
Moran Township, along 4 Concession Road	395 34
May, between Lots 8 and 9, Concession 4 and 5	400 00
Marks Township Road	799 20
Mutrie Township Road	1,098 56
Meldrum Bay and Gore Bay	753 62
Merritt Township Road	699 49
Mills Township Roads (Robinson Section)	75 00
Mills Township Roads (Orford Section)	273 04
Mines Centre and Glenorchy	952 17
Miscampbell, Concession 2 and 3	598 90
Miscampbell, Concession 1 and 2, Lots 9 and 10	395 49
Mather, Lots 8 and 9	1,495 27
Mather, Concessions 5 and 6	500 00
Morgan Township Road	750 00

Name of work.	Expenditure.
Murray Mine Road	796 00
Michipocoton Roads	2,000 00
Nolalu Station to Silver Mountain Station	500 00
North Road from Wabigoon	300 00
North Concession 4, Howland	291 54
Nairn and Lorne Township	300 00
O'Connor Township Roads	799 06
Oliver Road from Town Line McIntyre	300 00
Oliver Road (Port Arthur)	499 97
Plummer, Concession 2	500 00
Plummer, Concession 6	300 00
Plummer, Concession 3 and 4	394 75
Plummer Additional	500 00
Patton, Lot 30	500 00
Patton, 4th Concession	500 00
Plummer Road (Robinson Section)	200 00
Pearson and Scobel Road	500 00
Pearson Town Line Road	200 00
Portage Road to Gold Rock (Dixon Section)	1,400 00
Portage Road to Gold Rock (Portage Section)	1,411 17
Providence Bay to Michael's Bay	298 78
Pattullo, 21 and 22	1,500 00
Rose Township, Sections 29 and 30	400 00
Road through Section 26 and Salter	275 00
Road, Concessions 2 and 4, Plummer	400 00
Road, Sections 20 and 29, Salter	199 58
Robinson and Dawson Road (Irwin Section)	299 86
Robinson and Dawson Road (Kemp Section)	300 00
Richardson Road	999 38
Rayside Township Road	400 00
Road through Sections 25 and 26, Korah	500 00
Roads in Jeffery and Malloch (Belair Section)	1,490 65
Roads in Jeffery and Malloch (Campbell Section)	1,500 00
Road Machinery	333 00
Road through Concession 4, of Van Horne and Aubrey	399 97
Roads in Machin	1,100 00
Salter Township Road	500 00
South Mud Lake Road	300 00
Sheddon and Victoria Town Line	399 99
Striker, 3rd Concession Road	400 00
Striker Road, between lots 3 and 4	300 00
Sugar Lake Road in Victoria	499 55
Sanfield Township Roads (Young Section)	200 00
Sanfield Township Roads (Tann Section)	300 00
Sheguiandah to Little Current	400 00
Slash Roads	200 00
Schreiber Road	443 38
Thessalon and Nesterville Road	1,443 16
Thessalon and Day Town Line	300 00
Torrance Road in Plummer	400 00
Thompson and Cobden Road	292 48
Thessalon Road along Section 26	300 00
Thessalon Road	300 00
Town Line, Campbell and Carnarvon	250 00
Tehkummah Roads (Hall Section)	250 00
Tehkummah Roads (Hunter Section)	195 06
Third Line in Korah	250 00
Tarentorus Road, Sections 17 and 20	800 00
Vermillion River Road	200 00
Vankoughnet No. 1 Side Road	198 39
Wainwright Township	492 06
Wabigoon and Barclay	778 20
Wabigoon and Dinorwic	999 35
Walker's Road	298 50
Wolf River Road	998 40
Alberton Municipality By-law	2,000 00
Billings Municipality By-law	595 13
Blezard Municipality By-law	1,600 00
Carnarvon Municipality By-law	835 78

Name of work.	Expenditure.
Cockburn Island Municipality By-law	167 83
Chapple Municipality By-law	1,310 53
Drury, Denison and Graham By-law	1,135 69
Drury, Denison and Graham By-law of 1908	267 98
Emo Municipality By-law	810 00
Gordon Municipality By-law	699 25
Hilton Municipality By-law	700 00
Johnson and Tarbutt and Tarbutt Additional By-law	1,200 00
Korah Township By-law	2,000 00
Morley Municipality By-law	3,125 76
McIrvine Municipality By-law	464 00
McDonald, Meredith and Aberdeen By-law	999 69
Neelon and Garson Municipality By-law	667 00
Oliver Municipality By-law	850 00
Nairn Municipality By-law	153 53
Prince Township By-law	600 00
Paipoonge Municipality By-law	2,229 87
Plummer Additional By-law, 1908	50 00
Shuniah Municipality By-law	2,750 00
St. Joseph Township By-law	750 00
Tehkummah Municipality By-law	250 00
Tarentorus Municipality By-law	666 00
Thessalon Township By-law	399 73
Van Horne By-law	500 00
Waters Township By-law	997 34
Ball and Shenstone (balance of 1908)	13 25
Kehoe Township Road (balance of 1908)	12 50
Tait and Mather (balance of 1908)	72 35
Woodyatt Road, 1908	38 50
Tehkummah Roads of 1908 (balance)	21 59
Hallam Township Road of 1908 (balance)	7 74
Tarbutt and Johnson, 1908 (balance)	5 00
Dawson Road, 1908 (balance)	67 00
Sudbury-Blezard, 1908 (balance)	6 94
Road Machinery	2,243 67
Sudbury, Capreol and Hutton Road	8,653 61
Sudbury-Soo Trunk Roads:—	
Charges for Survey, Advertising and printing	4566 12
Sudbury-Soo Trunk Roads Concrete Tile Work	4,285 44
Sudbury-Soo Trunk Roads (balance of 1908)	2,585 20
Sudbury-Soo Trunk Roads (Grading Section 3, contract)	2,152 58
Sudbury-Soo Trunk Roads (Grading Section 5, contract)	762 00
Sudbury-Soo Trunk Roads (Grading Section 6, contract)	5,553 60
Sudbury-Soo Trunk Roads (Grading Section 2, contract)	4,511 49
Sudbury-Soo Trunk Roads (Grading Section 10, contract)	544 16
Sudbury-Soo Trunk Roads (Cedar Culverts on Section 1, contract)	600 00
Sudbury-Soo Trunk Roads (Cedar Culverts on Section 2, contract)	1,269 52
Sudbury-Soo Trunk Roads (Cedar Culverts on Section 4, contract)	299 97
Sudbury-Soo Trunk Roads (Grading Section 4, contract)	2,053 40
Sudbury-Soo Trunk Roads (Grading and Stoning Copper Cliff Road)	3,229 57
Sudbury-Soo Trunk Roads (Delivering Stone)	2,493 83
Sudbury-Soo Trunk Roads (balance of Survey of 1908)	609 36
Sudbury, Blezard and Capreol	250 00
Sudbury-Capreol (Section 2, balance 1908)	50 00
Inspection	5,765 95
Inspection (balance 1908)	1,143 80
Draining Rainy River Roads:—	
Weir's Creek in Shenston	500 00
Sections 34 and 35 in Blue	1,220 00
Sections 4 and 5 in Pattullo	800 00
Drain, Sections 15 and 16 Crozier and 20 and 21	240 00
A. J. Halford, Engineer	400 00
Geo. Hogarth, Assistant Engineer	250 00
Total	$193,128 91

WEST DIVISION.

Name of work.	Expenditure.
Brunel-Franklin Roads:—	
Huntsville (Baysville Section)	$ 300 00
Bull's Run from Lot 24	500 00
Cardwell-Watt Roads:—	
Road from Brackenrig	300 00
Cardwell Road near Rosseau	300 00
Chaffey-Sinclair Roads:—	
Junction 13, Concession	200 00
North Road between 10 and 14	200 00
15 Side Road, Sinclair	300 00
Draper, South Falls Road	1,499 93
Gibson-Baxter Roads:—	
Bala Road	300 00
Port Severn to Gloucester Pool	150 00
Road to Honey Harbour	150 00
Medora, Port Carling, Wood Roads:—	
Foreman Road, Port Carling	300 00
Side Line, Lot 29, Concession G.	400 00
Lot 16, Concession 1, to Lot 22	100 00
Government Road North to Bruce Lake	90 00
Bear Lake North to Boundary Line	100 00
Long Point Road, from 4th to 6th Concession	100 00
Strongberg Road	99 74
Muskoka-Morrison Roads:—	
Morrison, Lot 25, Concession 3	200 00
Lot 31, Concession 12, into Wood Township	200 00
Lots 2 and 3, Concession 10	296 78
McCauley, McLean and Ridout Roads:—	
Baysville to Town Line of Ridout	299 90
McCauley, Concessions 4 and 5	199 55
Brown's Brae to Dorset Road	199 75
Ryde-Oakley Roads:—	
Victoria Road from 3rd Concession	100 00
Black River Road	100 00
Wood Lake Road	100 00
Lot 25, Concession 11, to Housey's Rapids	294 90
Ahmic Lake Road in Ferry	294 12
Armour, Concessions 3 and 4	299 99
Armour, Concessions 4 and 5	299 56
Ardtrea Road	499 80
Booth Line Road	300 00
Balkwell Road	200 00
Big Eddy Road and Bridge	328 01
Byng Inlet Road	999 98
Burk's Falls Road to Sand Lake	800 00
Bear Lake Road	297 55
Blackwater Lake Road, McKellar	299 99
Bethune, 5th Side Line	126 96
Commanda Lake Road	399 40
Distress Road	500 00
East Armour Road	497 53
East Road, Manitowaba Dam, in McKellar	399 97
Foley Road, Lots 112 and 113	398 25
Foley Road, 11th Concession	300 00
Golden Valley and Arnstein Road	500 00
Gurd, 20th Side Road	300 00
Gurd, 6th and 7th	400 00
Gurd, 30th Side Line	300 00
Hagerman and Croft Town Line	400 00
Hagerman, Lot 59, Concession "A"	394 71
Himsworth, Lots 8 and 9, 3rd and 4th Concession	400 00
Himsworth, 4th and 5th Concession	300 00
Healey and Orange Valley Road	399 87
Himsworth and Chisholm Town Line, 5th and 6th Concession	300 00
Himsworth, 5th Side Road	297 94

Name of work.	Expenditure.
Kill Bear Road to Deep Bay	400 00
Matchedash Township Road	600 00
McDonald and Leatherdale Road	400 00
Monteith and Perry Road	500 00
Mills Township, Concession 12	399 12
Middle River Bridge in McKellar	399 07
Machar and Strong Boundary	399 47
McKellar, 2nd Concession	397 62
McMurrich, 30th Side Road	400 00
McKellar Road between 4th and 5th Concessions	399 55
McKenzie Township, 25th Side Road	374 92
McKellar, Concession 4	399 98
North Road in Ferguson	485 89
Nipissing Road in Humphrey	492 00
Nipissing and Himsworth Town Line	400 00
Nipissing and Fish Bay Road	400 00
Port Cockburn Road	500 00
Port Severn Road	500 00
Ragged Rapids Road	199 87
Ryerson, 7th Concession Road	499 42
Road in Laurier Township	200 00
Restoule-Loring Road and Bridge	698 13
Ryerson, Centre Road	397 50
South Himsworth Road, 5th Side Line	183 84
South Himsworth Road, 10th Side Line	200 00
South Himsworth, 11th and 12th	399 96
Strong and Joly Town Line	400 00
Strong Township, 5th Side Road	300 00
Waubamic Station Road	200 00
Westphalia Road between Coulters' Hill and Half-Way House	499 75
White Stone Road to Deer Lake	450 00
Zone Township Road	150 00
Camden Township Road (Grant)	1,500 00
Ontario Good Roads' Association	200 00
McDougall and Carling (balance 1908)	5 00
Cardwell and Chaffey Road (balance 1908)	41 25
Wilson and McConkey Road (balance 1908)	10 00
South Seguin River Bridge (balance 1908)	27 35
Oakley-McLean (balance 1908)	5 00
Chapman Township By-law	133 00
Stisted Township By-law	313 50
Inspection	1,464 00
Total	$34,839 37

EAST DIVISION.

Arden Road to Dead Creek	$300 00
Airy Township Road	300 00
Anstruther Township Road	300 00
Alice, 10th and 11th Concession Road	400 00
Alice, 10th Concession	35 00
Admaston Township Roads:—	
Shamrock and Calabogie	194 48
Ferguson Lake Road	200 00
Whalen Road	200 00
Shamrock and Renfrew	200 00
Appleby, North Boundary Road	199 20
Appleby Road between Concessions 3 and 4	200 00
Appleby, 2nd and 3rd	200 00
Anson and Hinden Roads	631 95
Barrie and Clarendon Road	200 00
Burridge and Fermoy Road	298 26
Bessimer and Long Lake Road	300 00
Bessimer and Hermon Road	200 00
Bancroft and Hermon Road	199 35
Burgess Mine Road	298 16
Bell's Rapids Road	199 92

Name of work.	Expenditure.
Bancroft and Maynooth	200 00
Bancroft and Coe Hill	200 00
Bonins' Corner Bridge	400 00
Bridge at Gin Creek	400 00
Bridge at McArthur's Mills	400 00
Bellamy Road	300 00
Boulter Township Roads:—	
Road East from Boundary, Lot 1 and 2, Concession 12	125 00
Grading and Draining Concession 12, Lot 31	74 75
West, 20th Side Line, Concession 9	200 00
Lot 26, Concession 10, East	295 30
Bonfield Township Roads:—	
Opening New Road, 25th Side Line, Concession 2	300 00
Grading and Draining, 20th Side Line, Concessions 3 and 4	200 00
Grading and Draining, 30th Side Line, Concessions 7 and 8	198 07
Grading and Draining, 25th Side Line, Concession 12	100 00
Grading and Draining, 15th Side Line, Concession 12	206 00
Grading and Draining, 4th Concession, Lots 35 to 30	300 00
Repair, Bonfield and Powassan Road, from Lot 10	150 00
Grading and Draining Booth Road, Lot 5, from Concession 4	149 66
Cleaning and Opening Creek, Concessions 9 and 10	200 00
Belmont Township Roads:—	
Whitney Section	200 00
Leeson Section	399 62
Buckley Lake Road	200 00
Burleigh Township Roads:—	
Thompson Section	100 00
Church Section	495 08
McFarlane Section	50 00
Buckhorn Roads:—	
N. Windover Section	100 00
Cochrane Section	100 00
J. Windower Section	200 00
Bonnechere River Road	250 00
Brougham Township Road	300 00
Bollingbrook and Maberley	246 12
Brudenell and Lyndock Township Roads:—	
Maley Road	200 00
Rockingham and Harriett's Corner	150 00
Brudenell and Eganville	200 00
Brudenell, 10th and 11th Road	100 00
Brudenell and Foymount	150 00
Brudenell and Hagarty	150 00
Bagot and Blythefield Roads:—	
Springtown Road	50 00
Ashdad and Calabogie Roads	225 00
Calabogie and Tottie Hill	399 82
Bigwood Road 4th and 5th	299 22
Bear Lake Road in Martland	300 00
Bassinette Road	199 45
Bastedo, 2nd Concession	400 00
Badgerow, Concessions 2 and 3	300 00
Bidal Road	200 00
Bexley-Sommerville Roads:—	
Base Line Road, Bexley Road	300 00
Boundary, Summerville and Verulum	200 00
Monck Road, Summerville, Lot 12	200 00
Cameron Road in Bexley	200 00
Boycaygeon Road, Lot 1, Concession 14	100 00
Monck Road from Norland in Summerville	200 00
Crowe Lake Road	200 00
Clarendon Station to Ardoch Road	200 00
Corundum Mine Road	399 99
Cashel Road	295 35
Clyde Forks Road	199 50

Name of work.	Expenditure.
Chisholm Township Roads: –	
Concession 6 in front of Lots 9 and 10	100 00
Concession 16, from 5th to 10th Side Line	299 90
Grading and Draining, 10th Side Line, Concessions 8 and 10	397 79
Grading, 15th Side Line, Concession 9	200 00
Grading and Draining, 20th Side Line, Concessions 12 and 13	200 00
Cross Lake to Madawaska Road	400 00
Calvin Township Roads:—	
Concession 6, from 10th Side Line	200 00
Grading and Draining, Boundary of Papineau	200 00
Grading and Draining, Concession 2, from Lot 6 to 2	200 00
Grading and Draining, between Concessions 1 and 2, 25th Side Line	100 00
Grading and Draining, 5th Side Line, Concessions 4 to 2	200 00
Cameron Township Roads:—	
Mattawa and Pembroke Road, Lot 10, Concession 3	200 00
Grading and Draining, Concession 24, from Lot 11	200 00
Grading and Draining, Town Line, Cameron and Papineau	200 00
Chandos Township Roads	900 00
Cavendish Township Roads:—	
Higgins Section	150 00
White Section	125 00
Davis Section	75 00
Windover Section	50 00
Curley's Bridge and Road	200 00
Calabogie and Graphite Mine	800 00
Caldwell Station and D'Acre	125 00
Cosby Township Roads:—	
Concession 3, Lots 1 and 3	300 00
Concessions 1 and 2 to 3	200 00
Cosby Road	297 25
Crerar, Lots 3 and 7, Concession 2	298 33
Cassimir and Dunnett Town Line	300 00
Caldwell, Concession "B"	199 45
Crerar Road, Concessions 3 and 4	200 00
Cache Bay Roads:—	
Larocque Section	995 42
Renaud Section	500 00
Cardiff and Monmouth Roads:—	
Cardiff, 19th Concession from Deer Lake	199 97
Glamorgan and Monmouth Boundary	150 00
Monck Road, Concession 10, Lot 33, Monmouth	200 00
Deer Lake Road to Bancroft	300 00
Road from Tory Hill to Hotspur	50 00
Burleigh Road in Monmouth	97 50
Carden Township Roads:—	
Second Quarter Line, Victoria, and 9th Concession	100 00
Eldon Boundary, 8th Concession	100 00
Dalrymple and Balsover	99 50
Dalrymple and Kirkfield	100 00
Denbigh and Palmer Rapids	400 00
Dwier Road	200 00
Darling Township Roads:—	
McFarlane Section	200 00
Roycroft Section	200 00
Derry Road	175 00
Dummer Township Roads:—	
Moore Section	100 00
Robson Section	197 73
Douro Road	171 44
Dunnett and Appleby	200 00
Dunnett, 3rd Concession	300 00
Dunnett, Concessions 1 and 2	200 00
Desaulnier Bridge Road, South	200 00
Dalton Township Roads:—	
Quarter Line, Lots 25 and 26	200 00
Road at Hart's	99 50
Sadowa Road	200 00

Name of work.	Expenditure.
Eel Lake Road	200 00
Eldon and Carden Boundary	200 00
Fish Creek Road to Titchbourn	200 00
Finlay Station Road	197 75
Faraday and Herchell Boundary	200 00
Ferris Township Roads:—	
Lot 16, Concession 7	300 00
15th Side Line, Concession 8	196 10
Concessions 16 and 17, Lot 128	300 00
Concession 6, Lot 14	200 00
20th Side Line, Concession 2	200 00
Road from Nosbonsing Station to Town Line	195 95
North Bay and Bonfield at 16th Concession	295 55
Faulkland and Martland Town Line	497 98
Godfrey Road	499 55
Godfrey Road in Olden	299 98
Gananoque and South Lake Road	196 22
Galway Roads	600 00
Gratton Township Roads:—	
Gratton Road	220 50
11th Concession Town Line	200 00
Perrault Road	225 00
Gibbons, West Boundary	473 71
Gibbons, Concession 2	400 00
Grant Township Road	200 00
Glamorgan and Snowden Roads:—	
Bridge, South Lake Creek	50 00
South Dutch Line	300 00
Gelert Road in Snowden	250 00
Poisley Road in Glamorgan	200 00
Glamorgan in Monmouth	150 00
Road from Boundary Snowden and Gooderham	200 00
Bell Street, Road in Glamorgan	50 00
Hybla Station Road	299 97
Herchell Township Road	400 00
Hastings Road, South of L'Amable	297 57
Hastings Road to Egan's	300 00
Head, Clara and Maria Roads	596 50
Harvey Township Road	997 02
Hagarty, Sherwood, Jones and Burns Roads:—	
Round Lake and Tramore Road	200 00
Hagarty, 8th Concession Road	200 00
Killaloe and Round Lake Road	250 00
Hagarty, 6th Concession	100 00
Hagarty, Patroski Section	225 00
Hagarty, Percor Section	125 00
Basin Depot Road	246 50
Killaloe and Round Lake	250 00
Killaloe and Brudenell	350 00
Killaloe and Wilno	150 00
Hugel and Crerar Road	397 90
Hugel Township Roads	800 00
Jones Falls and Battersea Road	200 00
Kingston and Perth, near Westport	200 00
Kingston and Perth Road, near Bedford Mills	200 00
Kirkpatrick and McPherson Town Line	500 00
Lane Road	497 13
Lanark, 10th Concession Road	300 00
Lyall Township Roads	199 30
Labrosse Road, North End	1,000 00
Labrosse Road, South End	1,000 00
Lacasse Road	200 00
L'Amable and Fort Stewart	494 59
Lacroix Roads:—	
Lajannesse Section	1,000 00
Martin Section	750 00
Begin Section	750 00
Loboro', North Shore Road	198 96

Name of work.	Expenditure.
Lutterworth, Laxton and Digby Roads:—	
12th and 13th Concession, Luttleworth	100 00
Monck Road in Digby	300 00
Monck Road in Laxton	249 75
Miners' Bay Road	195 50
Bobcaygeon, Lutterworth and Snowden	149 75
Cameron Road in Laxton	200 00
Lutterworth Road West	100 00
Murray Swamp Road in Loboro'	195 55
Maynooth and Madawaska Road	200 00
Musclow Road	200 00
McKenzie Lake Road in Nipissing District	200 00
McKenzie Lake Road in Hastings	200 00
Mattawan Township Roads:—	
Les Erables Road, Lot 35	200 00
Concession 8, Lot 3	150 00
Concessions 7 and 8 from Les Erables Road	149 81
Mattawan and Bonfield Road	200 00
Mattawan and Bonfield Road, Bridge at Boon Creek	100 00
Methuen Township Road	200 00
Mutrie Station Road	1,000 00
McPherson, 5th Concession	296 57
Minden, Sherbourne and Stanhope Roads:—	
Blairhampton and Peterson Road	150 00
4th Concession Line from Mitchell's	150 00
Boycaygeon Road from Black River	1,300 00
Peterson Road from East Boundary of Stanhope	100 00
Minden and Gelert Road	150 00
Peterson Road from Bobcaygeon Road	100 00
Monck Road in Dalton Township	300 00
North Crosby and Perth Road	275 00
North Bay and Bonfield Road	300 00
North Algona, 6th Concession	200 00
Portage Road to Thorah	600 00
Plevna-Fernleigh Road	300 00
Paddy Road in Bangor	200 00
Peterson Road East of Maynooth	300 00
Papineau Township Roads:—	
Concession 8, from Lot 10	99 45
Lot 1, Concession 12	50 00
Concession 10, from Lot 10 to 16	200 00
Concession 10, from 10th Side Line	200 00
Concession 10, from Lot 5, East	200 00
Concession 14, Lot 23 to 29	150 00
10th Side Line, starting at Concession 11	200 00
Lot 21, Concession 13 to Lot 19	200 00
Lots 26 and 27, Concession 10	200 00
Paquette Road in Kirkpatrick	198 51
Piquette Road in Kirkpatrick	197 79
Robert Stoness (loss of horse)	50 00
Road between 20th and 21st Beckwith	275 00
Road, Westport to Sherbrooke	200 00
Raglan and Radcliffe Roads:—	
Lyndock and Raglan Road	200 00
Rockingham and Palmer Rapids	150 00
Wingle and Palmer Rapids	146 96
Cumbermere and Palmer Rapids	100 00
Ratter between 6th and 7th	300 00
Ratter and Dunnett	299 30
River Valley Road	300 00
Sharbot Lake and Mississippi Road	200 00
Snow Road in Palmerston	400 00
Spafford's Corners to Perth Road	200 00
Seeley's Bay and Battersea Road	200 00
Swamp Road in Portland	300 00
Sydenham and Fermoy Road	200 00
Swamp Road, Richmond and Tyendinaga	797 80
South Algona Road	300 00

Name of work.	Expenditure.
Sebastopol Road	300 00
Scollard, North Boundary	299 95
Springer and Caldwell Town Line	496 81
Sturgeon River Road, North Side	498 93
Smokey Falls Road	500 00
Split Log Drag	199 75
3rd Concession of Dalhousie	199 98
12th Concession of Monaghan	300 00
Wilkinson to Piccadilly Road	199 97
Wollaston Township Road	200 00
Widdifield Township Roads:—	
8th Side Line, Concession 1	200 00
Lot 6, Concession 1 to Lot 4	399 85
Trout Mills and Woodland Road	200 00
Concessions 1 and 2 from T. and No. O.	200 00
18th Side Line, Concessions 1 and 2	200 00
Concessions C and B, Lots 20 and 21	350 00
Lots 16, 17 and 18, Concession B.	300 00
16th Side Line, Concession A.	150 00
Verner and Warren Road	500 00
Warren and Markstay Road	993 29
Verulum Bridge	250 00
Victoria Road, North and South of Uphill	695 50
Wolf Grove Road	450 00
Cache Bay (balance 1908)	99 54
Caldwell Municipality By-law	2,466 00
Martland Municipality By-law	1,200 00
Springer Municipality By-law	1,749 33
Limerick Township By-law	200 00
Tudor and Cashell By-law	1,000 00
Wollaston Municipality By-law	533 00
Elzevear and Grimesthorpe	600 00
Smith Township By-law	800 00
Douro Township By-law	600 00
Inspection	5,202 95
Inspection (balance 1908)	24 00
Hill's Bridge (balance 1908)	6 00
Delora and Marmora Station Road (of 1908 balance)	25 00
Harvey Road (balance 1908)	2 50
McLean and Babcock Road (balance 1908)	8 00
Total	$92,287 63

New Trunk Roads.

Survey (Charlton and Elk Lake Road)	$420 00
James Township Road	2,200 00
Mountain Chute Road	1,000 00
Road in Glackmeyer (Contract)	4,880 97
Road from Matheson (Contract)	1,800 00
Road in Glackmeyer (Grading)	2,007 75
Road from Matheson (Grading)	1,000 00
Bear Creek Approaches	1,068 82
Gowganda Road to Silver Lake (Contract)	1,260 00
Printing and Advertising New Trunk Road	199 11
Elk Lake and Gowganda Road (Blazing Road)	216 00
Elk Lake and Gowganda (balance of Contract 1908)	742 43
Elk Lake and Gowganda (balance of Contract 1903)	30 94
Steam Roller for New Trunk Roads	3,025 00
Charlton to Gowganda:—	
Road Machinery	666 00
Survey	1,225 00
Advertising and Printing	359 45
Blair and McLellan (Contractors)	15,291 40
Wages, Tools and Supplies (Grading)	32,019 52
Total	$69,426 39

TEMISKAMING ROADS.

Armstrong between 5th and 6th Concession	$299 12
Armstrong Concessions 2 and 3	500 00
Armstrong and Hilliard	1,400 00
Armstrong and Hilliard, Concessions 4, 5 and 6	1,598 63
Beauchamp, between Concessions 3 and 4	599 20
Beauchamp and Dack	1,999 48
Brentha Road, South	498 60
Barr Township Roads	1,000 00
Brethour Road and Bridge	1,056 47
Chamberlain and Pacaud Boundary	1,495 78
Chamberlain Road, Concessions 2 and 3	1,495 36
Chamberlain, 3rd and 4th Concessions, Lots 6 and 7	1,491 16
Crocodile Creek Bridge	87 00
Cane Township Road	3,000 00
Charlton and Englehart	2,995 02
Firstbrook, Concessions 4 and 5	499 55
Firstbrook, Concessions 1 and 2	100 00
Grading Old Roads	1,500 00
Grant to Corbeill Larder Lake Road	100 00
Hilliard, between Lots 6 and 7	1,000 00
Harris Road and Bridge	999 02
Harris, Lots 4 and 5	950 08
Harris Mountain Road	491 65
Harris, between 5th and 6th Concession	498 60
Hilliard, Armstrong and Evanturel (balance of 1908)	328 57
Hilliard, between Lots 2 and 3	695 05
Hilliardton to North Road	1,500 00
Hilliard, between Concessions 1 and 2, West Side	300 00
Hilliard, between Concessions 1 and 2, East Side	200 00
Road Machinery	534 00
Hilliard, Concessions 3 and 4	1,000 00
Henwood and Beauchamp Town Line	1,000 00
Ingram, Concessions 3 and 4	1,999 59
Larder Lake Road	1,488 94
Marquis and Savard Boundary	992 20
Robillard, Concessions 2 and 3	994 44
Robillard, Concessions 4 and 5	975 00
Road, Concessions 2 and 3, Harley	500 00
Road, Concessions 1 and 2, in Hudson	1,000 00
Sharp and Savard Town Line	1,000 00
Town Line, Savard and Robillard	979 25
Coleman Municipality By-law	8,791 66
Dymond By-law	3,000 00
Evanturel By-law	1,630 68
Harley Municipality By-law	566 66
Hudson Municipality By-law	1,833 33
Kerns Municipality By-law	1,266 00
Inspection (Temiskaming District)	1,222 23
Inspection (balance of 1908)	12 00
Beauchamp and Henwood Road (balance of 1908)	39 07
Repairing Old Roads (balance of 1908)	17 40
Improving Elk Lake Road (balance of 1908)	15 25
Total	$59,527 36

RECAPITULATION.

North Division	$193,128 91
East Division	92,287 63
West Division	34,839 37
New Trunk Roads	69,426 39
Temiskaming	59,527 36
Total	$449,209 66

DEPARTMENT OF PUBLIC WORKS,
TORONTO, October 31st, 1909.

M. P. DOHERTY,
Accountant.

STATEMENTS

OF THE

ACCOUNTANT, Etc.

Department of Public Works, Ontario.

Toronto, February, 1909.

Hon. J. O. Reaume,

Minister of Public Works, Ontario.

Sir,

I have the honour to submit the following statements of capital expenditure on public buildings, works, roads, aid to railways, etc., and of contracts entered into in connection therewith, being: (1) The capital expenditure for public buildings and public works, etc., for ten months to the 31st of October, 1909; (2) the total capital expenditure on public buildings, public works, colonization and mining roads, aid to railways, etc., from the 1st of July, 1867, to the 31st of October, 1909; (3) a classified statement showing (*a*) the expenditure from the 1st of July, 1867, to the 31st of December, 1904; (*b*) the expenditure from the 1st of January, 1905, to the 31st of October, 1909; and (*c*) the grand total of expenditure from the 1st of July, 1867, to the 31st of October, 1909; and (4) a statement showing the several contracts and bonds entered into with His Majesty during the ten months ending the 31st of October, 1909, for the carrying out of the sundry works under the control of your Department.

I have the honour to be,

Sir,

Your obedient servant,

J. P. Edwards,

Accountant, Etc.

STATEMENT No 1.

Being Statement of Expenditures on Capital Account, Public Buildings and Works, for ten months ending October 31st, 1909. (See also Statement No. 2.)

Name of Work.	—	Amount.
	$ c	$ c.
PUBLIC BUILDINGS—		
Addition to Parliament Buildings		15,311 06
Reconstruction of West Wing of Parliament Buildings (destroyed by fire)		4,119 61
Osgoode Hall, Toronto		21,565 28
Hospital for the Insane, Brockville		22,223 41
" Cobourg		1,533 50
" Hamilton		38,553 30
" Kingston		15,436 03
" London		19,202 57
" Mimico		22,098 99
" Penetanguishene		21,916 16
" Toronto		7,958 81
" Feeble Minded, Orillia		4,187 61
" Epileptics, Woodstock		7,796 17
Reformatory for Females, Toronto		6,656 47
Central Prison, Toronto		3,525 04
Institution for Deaf and Dumb, Belleville		2,308 28
" Blind, Brantford		8,151 13
Normal and Model Schools, Toronto		9,969 88
" Ottawa		4,681 17
Normal School, London		806 49
New Normal School, Stratford	1,520 23	
" Completion of Contract	4,227 22	5,747 45
New Normal School, Hamilton	1,201 39	
" Completion of Contract	2,539 99	3,741 38
New Normal School, Peterboro	3,898 55	
" Completion of Contract	3,981 32	7,879 87
New Normal School, North Bay	1,344 73	
" Completion of Contract	23,270 21	24,614 94
Ontario Agricultural College, Guelph		12,261 55
Winter Fair Building, Guelph (Grant)		24,000 00
Fruit Experimental Station, Jordan Harbour		12,269 58
Immigration House, etc., Toronto		73 50
Hygienic Building, London (Expended, 1908, under Hospitals and Charities, $17,510.66)		24,588 60
Muskoka District:		
Court House, Registry Office, Lockup, etc., Bracebridge		1,085 63
Nipissing District:		
Court House, Gaol and Registry Office, North Bay	2,907 52	
Lockup, Englehart (S.Wt.)	150 00	
Lockup, Cache Bay	500 00	
Lockup, Gowganda (S.Wt.)	2,938 57	6,496 09
Parry Sound District:		
Gaol, etc., Parry Sound	614 56	
Registry Office, Parry Sound	878 68	
New Lockup, Calandar	500 00	
Fittings for Land Titles Office	664 80	2,658 04
Manitoulin District:		
Lockup, etc., Manitowaning		63 39
Sudbury District:		
Court House, Gaol, and Registry Office, Sudbury		11,214 06
Algoma District:		
Court House, Gaol, etc., Sault Ste. Marie	431 66	
Registry Office, Sault Ste. Marie	1,141 33	1,572 99

STATEMENT No. 1.—Continued.

Name of Work.	—	Amount.
PUBLIC BUILDINGS—*Continued.*		
Rainy River District:	$ c.	$ c.
Gaol etc., at Fort Frances	230 99	
Sewer (Grant) at Fort Frances	900 00	1,130 99
Thunder Bay District:		
Gaol and Court House, Port Arthur	880 55	
Registry Office, Port Arthur	1,109 44	
Lockup (Site), Nepigon	50 00	2,039 99
Kenora District:		
Repairs, Court House and Gaol	89 25	
Registry Office, Kenora	412 65	
New Court House	6,102 65	6,604 55
PUBLIC WORKS—		
Burnt River Bridge, Somerville Township		434 35
Bissett's Creek Bridge, Nipissing District		699 57
Beaver Creek Bridge, Kenora District		784 68
Big East River Bridge and Approaches		1,598 10
Bigwood Bridges, Nipissing District		7,389 80
Bala Dam		6,835 46
Bell's Rapids Bridge, Madawaska River		285 41
Brule Creek Bridge		489 85
Black Creek Bridge, Parry Sound District		449 33
Cosby Bridge, Nipissing District		493 85
Crocodile Creek Bridge, Nipissing District		780 94
Dog Lake Dam, Storage of Waters (Statutory Expenditure)		19,955 99
Dorset Bridge		1,108 93
Dickson Creek Bridge, Township of Bucke		1,243 39
Dryden Bridge		7,420 93
Dausey Bridge at Blind River, Algoma		4,048 85
Equipment, Instruments, Machinery, etc.		1,026 58
Fawcett's, Stephenson Town Line and Kashee River Bridges		2,877 66
Jeanette's Narrows (J. C. Tupper injured)		75 00
Kerr's Bridge, Victoria County		2,531 83
London and Port Stanley Toll Road, Elgin County, Towards purchase of		3,000 00
Lake Nosbonsing Bridge, Nipissing District		3,497 68
Martland Bridge, Nipissing Bridge		991 40
Madawaska River Bridge, Airy Township		2,498 49
Mississippi River, Removing obstructions from		782 65
Mississauga River Bridge, Thompson Township		2,874 68
Matawatchin Bridge, Renfrew County		5,010 78
Munroe's Rapids, Mississippi River, Removing obstructions		500 00
Maintenance, Locks, Dams, Bridges, Dredging, etc.		19,539 00
Nugget Creek Bridge, Kenora District		963 29
Neebing River Bridge, Neebing Township		1,800 00
North West Arm Bridge		999 68
North River Improvement (Completion)		341 00
Nottawasaga River, Removing obstructions		995 87
Oakley Bridge		1,375 00
Oakley Bridge (horse killed)		150 00
Palmer's Rapids Bridge		720 40
Pickerel River Bridge, Wilson Township		1,846 46
Port Sandfield Swing Bridge		3,493 19
Root River Bridge and Approaches, Algoma District		720 00
Rossport Bridge, Thunder Bay District		881 75
St. Joseph Township Bridge, Algoma District		789 27
Spanish River Bridge, Massey Township		739 10
Spanish River Bridge (Grant), Nairn Township		1,000 00
Spanish River Bridge, Nairn Township		10,853 53
Stisted, Sharpe's Creek and Hoc Roc Bridges		1,419 62

STATEMENT No. 1.

Name of Work.	—	Amount.
	$ c.	$ c.
Severn River Bridge, East Branch, Rama Township		1,990 00
Surveys, Inspections, etc., etc.		934 32
Tunnel Bridge, Wells Township		105 19
Vermillion River Bridge Whitefish		14,308 55
Whitestone River Bridge, Parry Sound District		425 94
York Branch Bridge (To complete)		716 00
DRAINAGE WORKS		
Burnett Drain, Elma Township (Revote)	750 00	
Hardy Creek Drain, Metcalfe Township	1,000 00	
Logan Drain, Logan Township	500 00	
Luther Township Drainage, Luther Township	1,500 00	
Pedan Drainage Works, Marlborough Township	1,000 00	
Ruscombe River Works, Rochester Township	3,500 00	
Spring Creek Drainage Works, Lochiel Township	2,000 00	
		10,250 00
Total		$543,087 40

Department of Public Works, Ontario.
Toronto, February, 1910.

J. P. EDWARDS,
Accountant,
Public Works.

STATEMENT No. 2.

Being a statement of expenditures on Capital Account for Public Buildings, Public Works, Colonization and Mining Roads, Aid to Railways, etc., as follows:—(1) The total expenditure from the 1st of July, 1867, to the 31st of December, 1908; (2) The expenditure for the ten months ending the 31st of October, 1909; and (3) The grand total of expenditure from the 1st of July, 1867, to the 31st of October, 1909.

Name of Work.	Expenditure 1st July, 1867, to 31st Dec., 1908.	Expenditure 1909. (10 months.)	Total Expenditure to 31st Oct., 1909.
	$ c.	$ c.	$ c.
PUBLIC BUILDINGS—			
Government House	183,860 86		183,860 86
Old Parliament and Departmental Buildings (Construction Account)	85,285 98		85,285 98
New Parliament and Departmental Buildings (Construction Account)	1,282,679 04		1,282,679 04
New Parliament and Departmental Buildings (equipment, grounds, roads, plant house, etc.)	230,934 62		230,934 62
New Parliament Buildings, addition for Library and Offices		15,311 06	15,311 06
New Parliament Buildings, reconstruction of West Wing (recently destroyed by fire)		4,119 61	4,119 61
Hospital for Insane, Toronto	420,329 36	7,958 81	428,288 17
" Mimico	686,609 22	22,098 99	708,708 21
" London	1,096,821 76	19,202 57	1,116,024 33
" Hamilton	975,522 08	38,553 30	1,014,075 38
" Kingston	571,074 58	15,436 03	586,510 61
" Brockville	546,445 04	22,223 41	568,668 45
" Cobourg	132,557 68	1,533 50	134,091 18
" Penetanguishene	100,620 86	21,916 16	122,537 02
Hospital for Epileptics, Woodstock	223,898 60	7,796 17	231,694 77
" Idiots, Orillia	583,941 69	4,187 61	588,129 30
Central Prison, Toronto	946,803 23	3,525 04	950,328 27
Andrew Mercer Reformatory for Females, Toronto	266,937 40	6,656 47	273,593 87
Reformatory for Boys, Penetanguishene	191,512 00		191,512 00
Institution for Dead and Dumb, Belleville	352,307 68	2,308 28	354,615 96
Institution for Blind, Brantford	300,888 11	8,151 13	309,039 24
Education Department and Normal and Model Schools, Toronto	247,074 83	9,969 88	257,044 71
Normal and Model Schools, Ottawa	259,041 73	4,681 17	263,722 90
Normal School, London	118,708 74	806 49	119,515 23
Normal Schools, additional (four in all)	4,618 33		4,618 33
" Stratford	76,213 51	5,747 45	81,960 96
" Hamilton	82,628 24	3,741 38	86,369 62
" Peterborough	80,577 56	7,879 87	88,457 43
" North Bay	66,665 24	24,614 94	91,280 18
Normal College, Hamilton (equipment Domestic Science Room)	854 25		854 25
School of Practical Science (College of Technology)	59,100 26		59,100 26
School of Practical Science, Queen's Park	252,535 56		252,535 56
School of Practical Science, New Chemistry and Milling and Mining Building	448,213 15		448,213 15
Agricultural College, Guelph	794,167 07	12,261 55	806,428 62
Fruit Experimental Station, Jordon Harbour	18,908 80	12,269 58	31,178 38
Dairy School, Strathroy	14,583 71		14,583 71
Dairy School, Kingston	19,722 18		19,722 18
Children's Shelter, Toronto	7,012 35		7,012 35

STATEMENT No. 2.—Continued.

Name of Work.	Expenditure 1st July, 1867, to 31st Dec., 1908.	Expenditure 1909. (10 months.)	Total Expenditure to 31st Oct., 1909.
PUBLIC BUILDINGS—*Continued.*	$ c.	$ c.	$ c.
School of Mining, Kingston	4,070 00		4,070 00
Osgoode Hall, Toronto	193,507 10	21,565 28	215,072 38
Immigration House, Toronto	5,707 72	73 50	5,781 22
Agricultural Hall	324 00		324 00
Government Farm, Mimico	51,646 34		51,646 34
Pioneer Dairy Farm, Algoma	5,178 43		5,178 43
Brock's Monument, Queenston Heights	4,605 31		4,605 31
Niagara River Fence	8,025 43		8,025 43
Winter Fair Building, Guelph	101 25	24,000 00	24,101 25
Hygienic Institution, London	17,510 66	24,588 60	42,099 26
ALGOMA DISTRICT—			
Court House, Gaol and Registry Office, etc., Sault Ste. Marie	32,179 51	431 66	32,611 17
Grand Manitoulin Island, three lockups (Gore Bay, Little Current and Manitowaning)	22,287 60		22,287 60
Addition to Registry Office, Sault Ste. Marie	10,516 69	1,141 33	11,658 02
Lockup, Killarney	1,298 97		1,298 97
" Bruce Mines	3,117 48		3,117 48
" Webbwood	1,749 15		1,749 15
" Thessalon	2,221 99		2,221 99
" Massey	702 74		702 74
" Blind River	2,042 87		2,042 87
" Chapleau	1,126 49		1,126 49
" Wawa	1,330 16		1,330 16
" Cutler	864 70		864 70
" Chelmsford	511 90		511 90
" Nairn	300 00		300 00
" Echo Bay	500 00		500 00
MANITOULIN DISTRICT—			
Gaol, etc., Gore Bay	7,670 89		7,670 89
Lockup, Manitowaning	263 85	63 39	327 24
THUNDER BAY DISTRICT—			
Registry Office and Lockup, Court House, etc., Port Arthur	63,271 32	1,989 99	65,261 31
Lockup at Fort William	9,723 90		9,723 90
" Silver Islet, Lake Superior	2,304 79		2,304 79
" Nepigon	1,229 23	50 00	1,279 23
" Schreiber (new)	700 00		700 00
MUSKOKA DISTRICT—			
Immigration Sheds at Gravenhurst	355 00		355 00
Registry Office and Lockup at Bracebridge	32,320 17	1,085 63	33,405 80
Lockup and Court Room at Huntsville	8,364 85		8,364 85
Lockup and Court Room at Bayside	300 00		300 00
PARRY SOUND DISTRICT—			
Registry Office, Lockup and Court Room, House for Gaoler, Land Titles Office, etc., Parry Sound	44,609 10	2,158 04	46,767 14
Lockup at Magnetawan	645 56		645 56
Lockup and Court Room at Burk's Falls	6,621 96		6,621 96
Lockup at French River	1,198 62		1,198 62
" Dunchurch	609 00		609 00
" Emsdale	300 00		300 00
" Byng Inlet	1,232 35		1,232 35

STATEMENT No. 2. Continued.

Name of Work.	Expenditure 1st July, 1907, to 31st Dec., 1908.	Expenditure 1909 (10 months.)	Total Expenditure to 31st October, 1909.
	$ c.	$ c.	$ c.
PUBLIC BUILDINGS—*Continued.*			
Lockup at South River	500 00		500 00
" Powassan	1,250 00		1,250 00
" Calendar		500 00	500 00
NIPISSING DISTRICT—			
Lockup at Mattawa	14,949 19		14,949 19
Lockup, Court Room and Registry Office, and Gaoler's House, North Bay	39,096 22	2,907 52	42,003 74
Lockup at Sudbury	12,595 48		12,595 48
" Sturgeon Falls	2,266 28		2,266 28
" New Liskeard	657 00		657 00
" Warren	600 00		600 00
" Bonfield	694 67		694 67
" Cobalt	4,728 39		4,728 39
" Markstay	600 00		600 00
" Englehart	825 00	150 00	975 00
" Cachè Bay		500 00	500 00
" Gowganda		2,938 57	2,938 57
RAINY RIVER DISTRICT—			
Lockup, Court Room and Gaoler's Residence, New Registry Office, etc., Rat Portage (Kenora)	37,007 67		37,007 67
Registry Office, Fort Frances	998 91		998 91
New Gaol, etc., at Fort Frances	10,312 18	1,130 99	11,443 17
Lockup at Fort Frances	6,237 86		6,237 86
" Mines Centre	1,205 48		1,205 48
" Emo	1,888 94		1,888 94
" Atikokan	1,566 31		1,566 31
" Beaver Mills	1,840 71		1,840 71
" Dryden	521 00		521 00
KENORA DISTRICT—			
Court House and Gaol, etc.		89 25	89 25
Registry Office		412 65	412 65
New Court House		6,102 65	6,102 65
SUDBURY DISTRICT—			
Court House and Gaol and Registry Office, Sudbury	62,665 60	11,214 06	73,879 66
COUNTY OF HALIBURTON—			
Registry Office at Minden	5,918 42		5,918 42
PUBLIC WORKS—			
Young's Point Lock	31,192 72		31,192 72
Balsam and Cameron Lakes Locks	23,959 02		23,959 02
Mary's and Fairy Lakes Lock Works and Bridge over Muskoka River at Huntsville	80,438 37		80,438 37
Mary's and Fairy Lakes Lock Works to renew high bridge above lock over Muskoka River, and renew cribbing above and below locks	8,389 39		8,389 39
Magnetawan Works, lock, swing bridge, dam and river improvements; dam and slide, Deer Lake; swing bridge, Township of Ryerson; dredging Burk's Falls; and removing obstructions, Ah-Mic Lake	74,461 10		74,461 10
High Falls, Pigeon River, slide, dam, etc. (C.L.D.)	9,706 07		9,706 07

STATEMENT No. 2.—Continued.

Name of Work.	Expenditure 1st July, 1867, to 31st Dec., 1908.	Expenditure 1909 (10 months.)	Total Expenditure to 31st October, 1909.
PUBLIC WORKS—*Continued.*	$ c.	$ c.	$ c.
Georgian Bay Works	7,149 97		7,149 97
Landing Pier at Port Elgin	2,750 00		2,750 00
Landing Pier at Southampton	2,022 63		2,022 63
Docks at Southampton, Saugeen River	1,739 04		1,739 04
Docks on the Rainy River	3,163 44		3,163 44
Docks (landing) at Beaudraul's Wabigoon	777 95		777 95
Muskoka Lake Works	21,915 30		21,915 30
" lock, bridges and dredging at Port Carling	64,683 45		64,683 45
" cut and bridge at Port Sandfield	16,842 86	3,493 19	20,336 05
" Muskoka Falls, works and bridges at Bala	13,831 73	6,835 46	20,667 19
" Joseph River Works, less contribution	486 87		486 87
" Kemp's Channel improvements	4,238 69		4,238 69
" piers and boom, Jeannette's Channel	1,585 75	75 00	1,660 75
Nipissing Lake Works	9,182 17		9,182 17
Couchiching Lake Works	427 82		427 82
Mud Lake Works (Township of Dalton)	1,502 32		1,502 32
Kushog Lake Dam	300 00		300 00
Mississicua Lake Dam	4,989 84		4,989 84
Star Lake Works	412 22		412 22
Manitou Lake Works, dam at outlet, etc., Rainy River District	2,794 14		2,794 14
Inkerman Dam, removal of, County Dundas	1,000 00		1,000 00
Bottle Lake Dam and Mississicua Creek Dam	4,068 72		4,068 72
Shoal Lake and Lake of the Woods Improvements, Ash Rapids	5,998 25		5,998 25
Mill Creek Improvements (County Prescott)	1,000 00		1,000 00
Lake of Bays, dredging mouth of river at outlet of	581 82		581 82
Peninsula Creek Improvements, bridges, cribbing, etc.	37,295 66		37,295 66
Stony Creek Works (Township of Ops)	4,828 25		4,828 25
Union Creek Improvements	1,050 63		1,050 63
Bear Creek, dam and slide	1,617 52		1,617 52
Lake Scugog Works, dredging at Port Perry	977 53		977 53
Lake Scugog Flats Road	1,500 00		1,500 00
Neighick Lake, dredging at entrance to	898 15		898 15
La Vase and Boon Creeks, improvements to	804 22		804 22
Cobb's Lake Outlet	1,102 08		1,102 08
Gull and Burnt River Works, dams, slides and bridges, etc.	100,716 60		100,716 60
Muskoka River Works	42,670 53		42,670 53
" Bridge at South Falls	1,000 00		1,000 00
" " Port Sydney	1,000 00		1,000 00
Sydenham River Works	2,156 26		2,156 26
Nottawasaga River Works	7,774 96	995 87	8,770 83
Kaministiquia River Works	22,865 02		22,865 02
Scugog River Works (including Lindsay lock and swing bridges)	97,897 38		97,897 38
Pigeon River Works (County of Victoria)	4,999 62		4,999 62
Otonabee River Works	9,162 91		9,162 91
Balsam River Works	16,585 11		16,585 11

STATEMENT No. 2.—Continued.

Name of Work.	Expenditure 1st July, 1867, to 31st Dec., 1908.	Expenditure 1909 (10 months.)	Total Expenditure to 31st October, 1900.
PUBLIC WORKS—*Continued.*	$ c.	$ c.	$ c.
Wye River Works	5,176 98		5,176 98
Squaw River Works	1,688 16		1,688 16
Moose River Works (County of Stormont)	1,000 00		1,000 00
Black River Works (Lake Simcoe)	3,136 10		3,136 10
Jean Baptiste River, construction of bridge over (Township of Beauchamp)	2,850 00		2,850 00
Mattawa River Works and Bridge	22,094 02		22,094 02
Wabis River Works (Townships Dymond, Harris and Kearns)	1,340 51		1,340 51
Wabis River Bridges	2,773 33		2,773 33
New Liskeard Bridge, over Wabis River	4,000 00		4,000 00
Wabis Creek, to construct bridge over	1,760 08		1,760 08
Squaw River Works, dam at Harvey	581 56		581 56
Indian River Works, deepening, Townships Sarawak and Keppell	1,850 82		1,850 82
Whitefish River, removing obstructions	249 15		249 15
North and Black Rivers, removing obstructions	4,194 13	341 00	4,535 13
Bar River, Township of McDonald, removing obstructions	130 55		130 55
Cassimer River, removing obstructions	205 56		205 56
McKenzie Creek, improvements	200 35		200 35
Snake River, improvements	140 65		140 65
Madawaska River, swing bridge at Combermere; bridge Burston and bridge Township of Raglan	12,171 43		12,171 43
Madawaska River, bridge near Arnprior	3,000 00		3,000 00
Nation River Works, bridge, etc.	15,877 23		15,877 23
Nation River contribution	4,000 00		4,000 00
Petewawa River Bridge	3,879 25		3,879 25
Sturgeon River Bridge, Township of Field	3,616 08		3,616 08
Sturgeon River Bridge, Township of Gibbons	2,610 35		2,610 35
To construct steel bridge at outlet Lake of the Woods, at Rat Portage (Kenora)	26,455 82		26,455 82
Rainy River Road Bridge	4,429 84		4,429 84
Stanley Bridge Thunder Bay District	8,136 09		8,136 09
Blind River Bridge	2,772 34		2,772 34
Buck Lake Bridge, to rebuild	305 06		305 06
Black River Bridge, to rebuild, Township of Draper, Muskoka	509 48		509 48
To rebuild bridges in Frontenac, destroyed by fires; Clyde River, Mud Lake and Concession 1st, Clarendon	3,288 06		3,288 06
Kinmount Bridge	1,500 00		1,500 00
Gooderham and Kinmount Bridges	3,876 79		3,876 79
Otter Creek Bridge at Copp's Falls	426 32		426 32
Embankment along River in Dover Township	500 00		500 00
Bridge over Jean Baptiste, Township of Armstrong	98 31		98 31
Round Lake Road Bridges	2,301 90		2,301 90
Baysville Bridge	2,047 50		2,047 50
Calabogie Bridge, Township of Bagot	1,800 00		1,800 00
Echo River Bridge	1,332 11		1,332 11
Wasdale Bridge Ontario and Simcoe	1,000 00		1,000 00
Wahnapitae River Bridge and approaches	4,642 49		4,642 49
Delta Creek improvements	99 24		99 24
Bridge over West Arm, Lake Nipissing	11,260 08		11,260 08
Wolsley River Bridge, Township of Mattawa	974 20		974 20

STATEMENT No. 2.—Continued.

Name of Work.	Expenditure 1st July, 1867, to 31st Dec., 1908.	Expenditure 1909 (10 months.)	Total Expenditure to 31st October, 1909.
PUBLIC WORKS—*Continued.*	$ c.	$ c.	$ c.
Bridge over Sunday Creek	603 00		603 00
Bridge over La Blanche River	2,929 87		2,929 87
La Blanche Bridge, Tomstown	6,326 68		6,326 68
La Blanche River Bridge and approaches, Casey Township	5,817 72		5,817 72
Severn Bridge, Township of Morrison	3,350 00		3,350 00
Seguin River Bridge	3,754 00		3,754 00
Bridge on Wawa Road	1,198 39		1,198 39
Black Bridge, Muskoka, construction of	1,500 00		1,500 00
Gannon's Narrows Bridge, construction	1,000 00		1,000 00
Chemong Lake Bridge	3,500 00		3,500 00
Veuve River Bridge, Township of Dunnette	918 70		918 70
Veuve River Bridge, Township of Verner	5,719 38		5,719 38
Bridge over Wright's Creek, Township of Casey	1,813 35		1,813 35
Reflooring Bridge at Pine Wood, Rainy River District	375 00		375 00
White River Bridge, Pecaud Boundary	2,198 21		2,198 21
White River Bridge and approaches, Marter Township	3,185 45		3,185 45
Bridge at Eau Claire	2,686 39		2,686 39
Wabigoon Bridge	2,892 79		2,892 79
Thessalon and Larchwood Bridges	7,769 69		7,769 69
Mississauga River Bridge, Thompson Township	21,719 19	2,874 68	24,593 87
Espinola Bridge	17,980 23		17,980 23
Oxtongue Bridge	1,058 26		1,058 26
Port Severn, Axe Lake and Cooper Bridges	1,427 41		1,427 41
Housey's Rapids Bridge	3,565 03		3,565 03
Draper Bridge	500 00		500 00
Still River Bridge, Byng Inlet	918 60		918 60
Kearney Bridge	6,798 82		6,798 82
Himsworth Bridges	806 29		806 29
Mississippi, Grant, McKenzie and Egan Bridges	2,125 26		2,125 26
Minden Bridge	4,740 68		4,740 68
Bracebridge Bridge	7,000 00		7,000 00
Bridge over Portage Bay, Keewatin	5,009 50		5,009 50
Martland Township Bridge	201 50	991 40	1,192 90
Bridge at Raysville, Townships McLean and Ridout	900 00		900 00
Maskinonge Creek, Township of Cassimer, removing obstructions	499 92		499 92
South River and Eagle Lake Bridges, Township of Machar	1,295 87		1,295 87
McCarthy Creek Bridges, Township of Gibbons	300 00		300 00
Powassan Bridge	300 00		300 00
Payne River Bridge, Township of Finch	2,500 00		2,500 00
Berriedale Bridge, Township of Armour	935 77		935 77
Hoodstown Road Bridge, Township of Chaffey	1,200 00		1,200 00
Hoodstown Road Bridge, over Big East River	800 00		800 00
Big East River Bridge	3,997 93	1,598 10	5,596 03
Maple Island Bridge, Magnetawan River, Township of McKenzie	993 32		993 32
Sleeman's Bridge and approaches	1,044 80		1,044 80
Goulais River Bridge	7,448 51		7,448 51
Sauble River Bridge, Massey	12,708 20		12,708 20
Spanish River Bridge and approaches, Webbwood	18,364 73		18,364 73

STATEMENT No. 2. Continued.

Name of Work.	Expenditure 1st July, 1867, to 31st Dec., 1908.	Expenditure 1909 (10 months).	Total Expenditure to 31st October, 1909.
PUBLIC WORKS *Continued.*	$ c.	$ c.	$ c.
Spanish River, Massey Bridge	27,983 98	739 10	28,723 08
Vermillion River Bridge, Township of Hanmer	662 75		662 75
North Road Bridge, Township of Dymond	1,877 24		1,877 24
Whitestone Bridge, McKenzie Township	1,395 22		1,395 22
Manitowaba Bridge, McKellar Township	798 51		798 51
Canard River Bridge	1,000 00		1,000 00
La Mable Bridge, Dungannon Township	1,271 43		1,271 43
Beaver Creek Bridge, Monk Township	996 77		996 77
Black Duck and Indian River Bridges	869 48		869 48
Axe Creek, Housey's Outlet and Kahshee Bridges	1,221 57		1,221 57
Katrine Bridge, Armour Township	1,257 23		1,257 23
Burnt River Bridge, Township of Snowdon	2,017 11		2,017 11
Burnt River Bridge (Township Somerville Bridges)	4,496 26	434 35	4,930 61
Rainy River Bridge	1,996 77		1,996 77
Indian Point Bridge, Manitoulin Island	1,339 96		1,339 96
Beaudette River (to aid in dredging, etc.)	3,000 00		3,000 00
Mississippi River Improvements (obstructions)	5,630 71	782 65	6,413 36
Head River Improvements, Township of Laxton and Cardon	976 82		976 82
Moira River Improvements, Township of Thurlow	2,135 32		2,135 32
Muskrat River Improvements	1,861 98		1,861 98
Payne River Works	4,000 00		4,000 00
Otonabee River Bridge	2,500 00		2,500 00
Trent River Works	2,000 00		2,000 00
Bridge, Township of Cambridge	1,000 00		1,000 00
Indian Point Bridge, Manitou Island	2,596 61		2,596 61
Mississicua River Bridge	4,355 94		4,355 94
Stony Creek Bridge, Ryerson	831 68		831 68
Damage by raising waters, near Rat Portage Kenora	800 00		800 00
Washago and Gravenhurst Road	32,792 12		32,792 12
Washago Wharf	489 22		489 22
Portage du Fort Bridge, Ottawa River	10,747 99		10,747 99
Des Joachims Rapids, bridges and approaches	9,937 72		9,937 72
Surveys, Inspections, Arbitrations, Awards, etc.	56,228 18	934 32	57,162 50
Deer Lake Works, dam and slide, Township of Anstruther	1,420 17		1,420 17
Nogies Creek Works	2,144 57		2,144 57
Cashmere Dam, Middlesex (obstructions)	1,144 19		1,144 19
Eagle Lake Works, to construct dam at outlet	1,173 84		1,173 84
Bass Lake Dam, Township Galway, Peterborough	1,000 00		1,000 00
To remove obstacles from navigable streams	513 02		513 02
Bonnechere River Works	338 50		338 50
Talbot River Works	605 95		605 95
Repairs and maintenance, locks, dams, slides, bridges, etc.	240,976 38	19,539 50	260,515 88
Concrete Mixing Machine	950 00		950 00
Equipment, instruments, machinery, etc.	6,127 16	1,026 58	7,153 74
City of St. Thomas, *re* Toll Road, taken over	3,000 00		3,000 00
Township of London, towards purchase Proof Line Toll Road	3,666 00		3,666 00
Clear Creek Bridge, Oxford Township	500 00		500 00

STATEMENT No. 2.—Continued.

Name of Work.	Expenditure 1st July, 1867, to 31st Dec., 1908.	Expenditure 1909 (10 months).	Total Expenditure to 31st October, 1909.
PUBLIC WORKS—*Continued.*	$ c.	$ c.	$ c.
Beeline Bridge, Alice Township	499 63		499 63
Sherbinean Bridge, Hungerford	500 00		500 00
Round Lake Bridge, Hagarty	500 00		500 00
Slate River Bridge, Kaministiquia River	580 14		580 14
Shadow River Bridge, Township Humphrey	490 90		490 90
Filiatrault Bridge, boundary between Martland and Cosby	699 99		699 99
White Stone Lake Bridge, Parry Sound District	706 40		706 40
Ardoch Bridge, County Frontenac	900 00		900 00
Culls Barry Bay Bridges and Calabogie Bridge	931 48		931 48
Bushkong Lake Bridge, Peterson Road	957 76		957 76
Steidtler Creek Bridge Parry Sound District	954 47		954 47
Bonnechere River Bridge	1,000 00		1,000 00
Bridge on Town line, between Dymond and Harris	911 28		911 28
Removing obstructions, Black Creek, Townships Monck and Watt	1,480 76		1,480 76
Norland Bridge, Cameron Road	1,354 70		1,354 70
Mud Creek Bridge, Township of Herschell	1,800 00		1,800 00
Veuve River Bridge, Township Kirkpatrick	541 06		541 06
Lake St. John and Sucker Creek, Improving outlet	1,795 56		1,795 56
Hope Township, Towards purchase of Toll Road	2,300 00		2,300 00
Pautois' Creek Bridge, Calvin	2,373 82		2,373 82
Burk's Falls Bridge, Magnetewan River	2,606 14		2,606 14
Englehart Bridge and approaches	2,795 39		2,795 39
Oakley Bridge, Muskoka	3,240 03	1,525 00	4,765 03
Pine River Bridge, Rainy River District	3,241 30		3,241 30
Palmer's Rapids Bridge, Renfrew	3,908 71	720 40	4,629 11
Hilliardton Bridge over White River	5,460 89		5,460 89
Dorset Bridge, Township Dorset	6,315 79	1,108 93	7,424 72
Reflooring Iron Bridge over Mississauga River	462 60		462 60
Stephenson Float Bridge	808 15		808 15
Bell's Rapids Bridge, County Renfrew	2,209 38	285 41	2,494 79
Dawson Road Bridges	1,480 36		1,480 36
York Branch River Bridge, Township Dungannon	1,194 31	716 00	1,910 31
Bridge across Hudson Creek, Township of Kearns	1,792 94		1,792 94
To pay for stock injured by blasting at North River	135 00		135 00
Gratuity to Arthur Brown, injured at Tomstown Bridge	140 00		140 00
Bissetts Creek Bridge, Nipissing District		699 57	699 57
Beaver Creek Bridge, Kenora District		784 68	784 68
Bigwood Bridges, Nipissing District		7,389 80	7,389 80
Brule Creek Bridge		489 85	489 85
Black Creek Bridge, Parry Sound District		449 33	449 33
Cosby Bridge, Nipissing District		493 85	493 85
Crocodile Creek Bridge, Nipissing District		780 94	780 94
Dickson Creek Bridge, Township of Bucke		1,243 39	1,243 39
Dryden Bridge		7,420 93	7,420 93
Dog Lake Dam, storage of water (statutory)		19,955 99	19,955 99
Dausey Bridge, at Blind River, Algoma		4,048 85	4,048 85
Fawcetts-Stephenson Town line and Kashee River Bridges		2,877 66	2,877 66

STATEMENT No. 2.—Continued.

Name of Work.	Expenditure 1st July, 1867, to 31st Dec., 1908.	Expenditure 1909 (10 months).	Total Expenditure to 31st October, 1909.
PUBLIC WORKS—*Continued.*	$ c.	$ c.	$ c.
Kerr's Bridge, Victoria County		2,531 83	2,531 83
Lake Nosbonsing Bridge, Nipissing District.		3,497 68	3,497 68
London and Port Stanley Toll Road, Elgin County, Towards purchase of		3,000 00	3,000 00
Madawaski River Bridge, Airy Township		2,498 49	2,498 49
Matawatchin Bridge, Renfrew County		5,010 78	5,010 78
Munroe's Rapids, Mississippi River, removing obstructions		500 00	500 00
Nugget Creek Bridge, Kenora District		963 29	963 29
Neebing River Bridge, Neebing Township		1,800 00	1,800 00
North West Arm Bridge		999 68	999 68
Pickerel River Bridge, Wilson Township		1,846 46	1,846 46
Root River Bridge and approaches, Algoma District		720 00	720 00
Rossport Bridge, Thunder Bay District		881 75	881 75
St. Joseph Township Bridge, Algoma District		789 27	789 27
Spanish River Bridge (Grant to Nairn Township)		1,000 00	1,000 00
Spanish River Bridge, Nairn Township		10,853 53	10,853 53
Stisted, Sharpe's Creek and Hoc Roc Bridges.		1,419 62	1,419 62
Severn River Bridge, East Branch, Rama Township		1,990 00	1,990 00
Tunnel Bridge, Wells Township		105 19	105 19
Vermillion River Bridge, Whitefish		14,308 55	14,308 55
Whitestone River Bridge, Parry Sound District		425 94	425 94
DRAINAGE WORKS—			
Tilbury East outlet Drain	3,020 00		3,020 00
Beaver Creek Drain, Cornwall Township	750 00		750 00
Pelee Island Drainage, 63 Victoria, chapter viii.	1,500 00		1,500 00
Miscellaneous Drainage	27 00		27 00
Drainage Works, Township of Elma	4,000 00		4,000 00
Big Creek Drain, Townships West and North Tilbury	8,367 30		8,367 30
Outlet Drain, Eastern Township	2,480 00		2,480 00
Petite Castor River and Annabel Creek, Drainage Works, Township Winchester	7,700 00		7,700 00
Becquithe Creek Drain, Cumberland and Clarence Townships	1,000 00		1,000 00
Kenyon, Charlottenburg, Cornwall and Roxborough Townships	700 00		700 00
Monkland's Drainage Scheme, Roxborough Township	1,200 00		1,200 00
Nesbit and Rogers Drains, Township Bosanquet	300 00		300 00
Mud Lake Drainage, Township Keppell	963 23		963 23
Fraser Creek Drainage, Township Roxborough	300 00		300 00
Outlet for Durham Creek, Township Brooke.	1,300 00		1,300 00
North Branch Drainage Works Townships Roxborough and Cornwall	2,000 00		2,000 00
Pottawatomie River Drainage Works, Township Derby	3,500 00		3,500 00
Douro Drainage Works, Township Douro	1,200 00		1,200 00
Ruscomb Drainage Works, Township Rochester	3,000 00		3,000 00
Forbes Drainage Works, Township E. Tilbury	2,000 00		2,000 00

STATEMENT No. 2.—Continued.

Name of Work.	Expenditure 1st July, 1867, to 31st Dec., 1898.	Expenditure 1909 (10 months).	Total Expenditure to 31st October, 1909.
DRAINAGE WORKS—*Continued.*	$ c.	$ c.	$ c.
Snake River, Township Bromley	7,700 00		7,700 00
Lalonde Drainage Works	900 00		900 00
Silver Creek and Castor River Works, Township Mountain, Osgoode, South Gower and Winchester	2,400 00		2,400 00
Long Swamp Drainage Works (or Davidson), Township of Keppell	1,500 00		1,500 00
McGregor Creek Works, Township of Howard	2,000 00		2,000 00
McIntyre Creek	1,200 00		1,200 00
Medonte Township	1,800 00		1,800 00
Barkley Creek, Winchester Township	1,000 00		1,000 00
Silver Creek and Castor River	1,600 00		1,600 00
Allan Arcand	2,200 00		2,200 00
Castor Extension and 8th Concession	1,600 00		1,600 00
Millar Drain, Township of Mountain	220 00		220 00
Baldwin Drain, Township of Mountain	290 00		290 00
Big Creek	1,000 00		1,000 00
Bromley Township	100 00		100 00
Dauphin Works	3,000 00		3,000 00
Cavan Township Drainage Works	2,000 00		2,000 00
Whitebread Drainage Works, Township of Sombra	4,000 00		4,000 00
Pelee Drainage Works, Township of Mersea	5,000 00		5,000 00
Bromley Township Drainage Scheme	1,000 00		1,000 00
McIntyre Creek Drainage Works, Drummond Township	1,000 00		1,000 00
Merrick Creek Drainage Works, Township South Sandwich	1,000 00		1,000 00
Dawn and Enniskillen Town Line Drain	1,500 00		1,500 00
Pike Drainage Works, Township Tilbury East	2,000 00		2,000 00
Dauphin Drainage Works, Township Raleigh	2,000 00		2,000 00
Aux Raisin Drainage Scheme	4,000 00		4,000 00
Cavan Township Drainage Works	2,000 00		2,000 00
Ruscombe Drainage Works, Township Rochester	2,000 00		2,000 00
Logan North West Drain, Township Logan	500 00		500 00
Hardy Creek Drainage Works, Township Adelaide	1,500 00		1,500 00
Burnett Drain Elma Township (revote)		750 00	750 00
Hardy Creek Drain, Metcalfe Township		1,000 00	1,000 00
Logan Drain, Logan Township		500 00	500 00
Luther Township Drainage, Luther Township		1,500 00	1,500 00
Pedan Drainage Works, Marlborough Township		1,000 00	1,000 00
Ruscombe River Works, Rochester Township		3,500 00	3,500 00
Spring Creek Drainage Works, Lochiel Township		2,000 00	2,000 00
Survey and Drainage Swamp Lands (Prov. Act)	36,660 51		36,660 51
Sundry Drainage Works (charged to municipalities)	329,980 98		329,980 98
Temiskaming Railway Surveys	24,823 58		24,823 58
Roads, Township Ryerson	7,295 66		7,295 66
Clearing and Log Houses on free land grants —Settlers' Homestead Fund	16,780 75		16,780 75
Colonization and Mining Roads	5,269,094 80	449,209 66	5,718,304 46

STATEMENT No. 2—Concluded.

Name of Work.		Expenditure 1st July, 1867, to 31st Dec., 1908.	Expenditure 1909 (10 months.)	Total Expenditure to 31st October, 1909.
		$ c.	$ c.	$ c.
Aid to Railways		7,993,115 73	167,241 28	8,160,357 01
NOTE:—				
Certificates issued to Railways	$10,487,908 45			
Cash paid direct to Railways	1,873,362 42			
Aid granted 2,608 $\frac{127}{660}$ miles	12,361,270 87			
Certificates outstanding	4,200,913 86			
Actual cash expended to 31st October, 1909	8,160,357 01			
TOTALS		27,903,888 32	1,159,538 34	29,063,426 66

J. P. EDWARDS,
Accountant.

Department of Public Works, Ontario,
Toronto, January, 1910.

STATEMENT No. 3.

Being a classified statement showing the expenditure on Capital Account for Public Buildings, Public Works, Roads, Aid to Railways, etc. (1) The total expenditure for thirty-seven years and six months, from the 1st of July, 1867, to the 31st of December, 1904; (2) The total expenditure for four years and ten months to the 31st of October 1909; and (3) The grand total expenditure from the 1st of July, 1867, to the 31st of October, 1909.

Name of Work.	Expenditure 1st July, 1867, to 31st Dec., 1904.	Expenditure, 1st January, 1905, to 31st October, 1909.	Total Expenditure to 31st October, 1909.
	$ c.	$ c.	$ c.
1. Hospitals for the Insane, etc., at Toronto, Mimico, London, Hamilton, Kingston, Brockville, Orillia, Cobourg, Penetanguishene and Woodstock	4,774,584 48	724,046 95	5,498,631 43
2. Penal Institutions, viz., Reformatory for Females, Reformatory for Boys, and Central Prison	1,356,979 02	58,551 12	1,415,530 14
3. Educational Institutions, viz., Institution for Deaf and Dumb, Belleville, Institution for the Blind, Brantford, School of Practical Science, Normal and Model Schools at Toronto and Ottawa, and Normal Schools at London, Stratford, Hamilton, Peterborough and North Bay, and Hygienic Building, London	,791,329 68	679,179 71	2,470,509 39
4. Agricultural Institutions, viz., Agricultural College, Guelph; Winter Fair Building, Guelph; Fruit Experimental Station, Jordan Harbour; Dairy Schools, Kingston and Strathroy; Dairy Farm, Algoma, and Farm, Mimico	709,257 51	243,905 40	953,162 91
5. Buildings for Administration of Justice, being Osgoode Hall, and Court Houses, Lockups, etc., in the Districts of Algoma, Thunder Bay, Muskoka, Parry Sound, Nipissing, Manitoulin, Sudbury, Rainy River, and Kenora	459,938 26	259,041 00	718,979 26
6. Parliament and Departmental Buildings, and Government House	1,776,474 75	25,716 42	1,802,191 17
7. Works for the improvement of Navigation, such as locks, dams, slides, etc.	1,010,493 50	74,660 84	1,085,154 34
8. Works for the improvement of Transportation, such as bridges, piers, roads, etc.	204,033 68	494,479 73	698,513 41
9. Drainage Works, Expenditures and Advances to Municipalities	418,161 85	63,560 00	481,721 85
10. Miscellaneous Expenditure, viz., Brock's Monument, Niagara River Fence, Clearing of Log Houses, Township of Ryerson, Temiskaming Surveys, and Immigration Lodging House	54,590 07	5,781 22	60,371 29
11. Colonization and Mining Roads	4,059,464 44	1,658,840 02	5,718,304 46
12. Aid to Railways (actual cash expended).	7,456,173 01	704,184 00	8,160,357 01
GRAND TOTAL	24,071,480 25	4,991,946 41	29,063,426 66

J. P. EDWARDS,
Accountant.

Department of Public Works, Ontario.
Toronto, January, 1910.

STATEMENT No. 4.

Statement of Contracts entered into with His Majesty in 1909.

Date.	Service.	Subject of Contract.	Contractor.	Sureties.	Description.	Amount.
						$ c
February 11.	Parliament Buildings, Toronto.	Supply and delivery of ice.	The Graham Ice Company, of the City of Toronto.		Per cwt.	0 15
February 23.	Maintenance Locks, Dams, Bridges, etc.	Supply of pine timber required in building a scow for use of Department.	R. E. Butler Lumber Co., of City of Woodstock.			377 00
February 23.	District of Thunder Bay.	Fittings for vault set up complete in Registry Office Port Arthur.	Library Bureau of Canada, Limited, of the City of Toronto.			660 00
March 2	District of Sudbury.	Fittings for vault set up complete in the new Court House, Sudbury.	The Office Specialty Company, Limited, of Toronto.			1,690 00
March 2	Osgoode Hall, Toronto.	Fittings for vault set up complete in Land Titles Office in new wing Osgoode Hall.	The Office Specialty Company, Limited, of Toronto.			2,950 00
March 18	District of Sudbury.	Construction and fitting in place of fixtures and furniture in the Court House at Sudbury.	The Berlin Interior Hardwood Company, Limited, of the Town of Berlin.			637 00
March 18	District of Sudbury	Supply of Office furniture and furnishing for the Court House and for the Registry Office at Sudbury.	The Berlin Interior Hardwood Company, Limited of the Town of Berlin.			1,525 00

STATEMENT No. 4.—Continued.

Statement of Contracts entered into with His Majesty in 1909.

Date.	Service.	Subject of Contract.	Contractor.	Sureties.	Description.	Amount.
						$ c
April 28..	Government House and Osgoode Hall, Toronto.	Supply and delivering of ice for domestic use.	William Burns, Knickerbocker Ice Company, of Toronto.	.....	Per cwt.....	0 15
April 29..	Parliament Buildings, Toronto (Furniture, &c.)	Construction and fitting in place in the vault of Ontario Railway and Municipal Board.	The Berlin Interior Hardwood Company, Limited, of Berlin.	.....	.....	550 00
May 5..	Parliament Buildings, Toronto. Addition to.	Excavator's work for foundations.	Edward J. Breen and Patrick Berford, both of St. Catharines.	The United States Fidelity and Guaranty Company (per A. E. Kirkpatrick, Manager and Attorney for Canada).	And additional work (if any) per cubic yard at 85c	8,500 00
May 21....	New Normal School, North Bay.	Furniture and fittings required in the general equipment.	The Berlin Interior Hardwood Company, Limited, of Town of Berlin.	.....	.....	3,602 50
May 21....	New Normal School, North Bay.	For the supply of chairs, seats and desks.	The Globe Furniture Company, Limited, of Town of Walkerville.	.....	.....	2,445 80
May 21..	Belleville Institution for Deaf and Dumb.	Supply of hard nut coal for season 1909-10.	The Schuster Company, Limited, of Belleville.	Robert Templeton and Edward J. Butler, of Belleville.	Hard coal, nut size, per ton.....	5 83
May 21....	Belleville Institution for Deaf and Dumb.	Supply of hard coal, grate and small egg sizes for season 1909-10.	Nathaniel Allen, of the City of Belleville.	John McKeown and Thomas Stewart, of Belleville.	Grate size, per ton. Small egg size "	5 32 5 55

May 21	Belleville Institution for Deaf and Dumb.	Supply of hardwood (piled on dock) for season 1909-10.	John McKenzie, of Ormsby	George Park and John McKillican, both of Tp. of Limerick.	Hardwood, green and dry, per cord.	$ c. 5 50	
May 21.....	Brantford Institution for the Blind.	Supply of hard and soft coal for season 1909-10.	James D. Murray, of City of Brantford.	Henry Phipps and Nathaniel Kellar.	Hard coal, small egg, per ton.....	6 25	
					Hard coal, stove, per ton.....	6 25	
					Hard coal, nut, per ton.....	6 25	
					Soft coal (lump), per ton.....	4 50	
May 21.....	Ottawa Normal and Model Schools.	Supply of hard coal for season 1909 10.	The Independent Coal Company, Limited, of Ottawa.	Robert Hostey and Jas. E. Ellis, both of Ottawa.	Hard coal, large egg per ton.....	7 15	
					Stove, per ton.....	7 10	
May 21.....	Ottawa Normal and Model Schools.	Supply of hardwood and pine slabs, season 1909-10.	William Dowler Morris of City of Ottawa.	Robert George Code and George B. Acheson, both of Ottawa.	Hardwood, per cord	6 75	
					Pine wood, "	3 75	
May 21.....	London Normal School	Supply of hard coal and pine wood for season 1909 10.	Chantler Bros. of City of London.	James A. Tancock and Andrew G. McCormick, both of London.	Large egg coal, per ton.	6 60	
					Pine slabs, per cord	5 50	
May 21.....	Peterborough Normal School.	Supply of hard coal and pine wood for season 1909 10.	The Ontario Coal Company, Limited, of City of Peterborough.	Gerald H. Rockham & Elizabeth A. Rubidge both of Peterboro'.	Large egg coal, per ton.....	6 75	
					Pine slabs, per cord	3 00	
May 21...	Hamilton Normal School.	Supply of hard coal and pine wood for season 1909-10.	The Peregrine Coal Company, Limited, of City of Hamilton.	John G. Sherring and John M. Peregrine, both of Hamilton.	Hard coal, large egg, per ton.....	5 40	
					Pine slabs, per cord	4 00	
May 21.....	Stratford Normal School.	Supply of hard coal and pine wood for season 1909 10.	Charles J. Stewart of City of Stratford, Co. of Perth.	Felix Devlin & Clement McIlhargey, both of Stratford.	Hard coal, large egg, per ton.....	6 25	
					Pine slabs, per cord	5 00	

STATEMENT No. 4.—Continued.

Statement of Contracts entered into with His Majesty in 1909.

Date.	Service.	Subject of Contract.	Contractor.	Sureties.	Description.	Amount.
						$ c.
May 22.....	North Bay Normal School.	Supply of hard coal and wood, season 1909-10.	Lindsay & McCluskey, of Town of North Bay.	John W. Richardson & Mackie Bros., Ltd., North Bay.	Hard coal, large egg, per ton.....	7 15
					Pine slabs, per cord	3 50
May 27.....	Parliament Buildings, Toronto.	Supply of pea hard coal for the season 1909-10.	The Connell Anthracite Mining Co., Limited, of Toronto.	William Henry Smith & Ira Howard Cosby, both of Toronto.	Pea coal, per ton..	4 10
May 27.....	Government House, Osgoode Hall and Toronto Normal and Model Schools.	Supply of hardwood and pine wood and slabs, season 1909-10.	The Crown Coal Company, Limited, of Toronto.	Chas. Miller & Arthur E. White, both of Toronto.	Hardwood, per cord	7 00
					Pine wood, "	6 00
					Pine slabs, "	4 50
May 27	Government House, Osgoode Hall, Educational Buildings and Parliament Buildings.	Supply of hard coal for the season of 1909-10.	Jacques, Davy & Company of Toronto.	Fredk. W. Humphrey and Arnold D. Mason, both of Toronto.	Grate, stove and nut size hard coal, per ton.	5 20
May 28.....	Government House, Osgoode Hall and Toronto Normal and Model Schools.	Supply of soft coal for season 1909-10.	Hammell & McLaughlin of the City of Toronto.	The Bixley Coal and Coke Company of Pittsburg, per L. Armstrong, Toronto.	Cannel coal, per ton	6 13
					Soft coal, per ton	3 83
May 31.....	Severn River Bridge, Rama Township.	Reinforced concrete arch bridge over Severn River.	Gagne & Jennings, of the City of Toronto.	.....	.....	1,990 00
June 4.....	Bigwood Bridges (Murdock River).	Erection of a timber bridge across Murdock River, Township of Bigwood, Nipissing.	M. A. Pigott & Sons, of the City of Hamilton.	American Surety Company of New York.	.....	3,592 00

June 7.....	Dryden Bridge (Wabigoon River).	Construction of concrete piers and grading approaches and supply and erection of steel superstructure of bridge across the Wabigoon River at Dryden.	Morrow & Beatty of City of Peterborough (H. A. Morrow, J. A. Beatty).	Robert A. Morrow and William George Morrow, both of Peterboro'.	.....	6,300 00
June 7.....	Bigwood Bridges (Courchase Bay).	Erection of a pile timber bridge over Courchase Bay, Tp. Bigwood.	William Daoust of the Tp. of Cosby, Cosby P.O.	Noel Desmarias and Domma Geroux, of the Tp. of Cosby.	.....	3,500 00
June 9.....	Kerr's Bridge, Snowden.	Supply and erection of steel superstructure for bridge over Burnt River, Tp. Snowden.	The Jenks-Dresser Company Limited, of Town of Sarnia.	William G. Jenks, of the Town of Sarnia.	.....	790 00
June 14....	Vermillion River Bridge, Whitefish, Algoma District.	Construction of concrete piers and abutment for a steel bridge.	The Dickson Bridge Works Company, Limited, of Campbellford.	John S. Fielding, and Geo. T. Dickson, both of Campbellford.	.....	6,710 70
June 14.....	Vermillion River Bridge, at Whitefish, Algoma.	Supply and erection of the steel superstructure of bridge at Whitefish.	The Dickson Bridge Works Company, Limited, of Campbellford.	James Dickson and George T. Dickson, both of Campbellford	.....	8,175 00
June 14.....	Spanish River Bridge, Township of Nairn, Algoma District.	Supply and erection of the steel superstructure of a bridge over the Spanish River.	The Dickson Bridge Works Company, Limited, of Campbellford.	James Dickson and George T. Dickson, both of Campbellford	.....	7,219 00
June 26.....	Mattawachin Bridge, Renfrew County.	Supply and erection of the steel superstructure of a bridge over the Madawaska River.	The Dickson Bridge Works Company Limited, of Campbellford.	George T Dickson and John S. Fielding, of Campbellford.	.....	4,260 00
June 30....	Parliament Buildings, Toronto.	Painting offices and rooms	Dennis and Company, Limited, of Toronto.	Marked cheque for $300.00.	.....	643 00

STATEMENT No. 4.—Continued.

Statement of Contracts entered into with His Majesty in 1909.

Date.	Subject of Contract.	Contract.	Contractor.	Sureties.	Description.	Amount.
						$ c
July 3	"Dausey Bridge," at Blind River, Algoma District.	Supply and erection of the steel superstructure of "Dausey Bridge" at Blind River.	The Dickson Bridge Works Company, Limited, of Campbellford.	Neil Thompson and N. J. Armstrong, of Campbellford.	....	680 00
July 6	Addition to Parliament Buildings, Toronto.	Concrete footings, walls and piers in connection with erection of Office and Library Building addition.	A. Gordon & Company, of the City of Toronto.	Edmund Ashton and John Mullin, both of the City of Toronto.	.....	15,895 00
July 14.....	Institution for the Blind, Brantford.	Supply and erection of two horizontal multi tubular boilers set up complete in boiler house.	The Waterous Engine Works Company, Ltd., of Brantford.	D. J. Waterous and Walter T. Moir, both of Brantford.	....	1,940 00
July 14.....	Normal School, Toronto.	Supply and setting up of two horizontal multi - tubular boilers in the boiler room.	Polson Iron Works, Ltd., of Toronto.	.....	.....	1,895 00
July 15.....	Muskoka Lakes Works, Concrete Dam at Bala.	Construction of a concrete dam at the outlet of Muskoka Lake at Bala.	Messrs. Pratt and McDougall, of Town of Minden.	James Playfair and D. L. White, junior, both of the Town of Midland.	.....	6,750 00

July 16....	Storage dams at Dog Lake, Thunder Bay District.	Concrete work, earth and rock excavation, iron work and timber and lumber, etc.	William White and Ernest V. H. White, both of the Town of Burlington.	Erle White, of Town of Burlington & David Porter, of Town of Wiarton.	Earth excavation per cubic yard..	30
					Rock excavation per cubic yard..	1 93
					Concrete work per cubic yard.....	7 75
					Rock fill from cut per cubic yard...	75
					Rock fill from quarry per cubic yard.....	1 00
					Hand laid "rip-rap" per cubic yard..	1 00
					Steel and wrought iron work per lb.	05
					Lumber and timber per M. ft. B.M...	50 00
					Stop logs framed per M. ft. B.M...	50 00
					Sluiceway sills per M. ft. B.M.....	50 00
					Clearing and grubbing per acre....	50 00
					Clearing and close cutting per acre. (Approximately $35,962.00).	30 00
July 21	Spanish River Bridge, Township of Nairn.	Construction of concrete abutments for a steel bridge across Spanish River, Algoma District.	Green, Sinclair and Campbell of Owen Sound and Strathroy.	Thomas T. Thomson & Thomas H. Stewart, both of Town of Owen Sound	.....	4,689 00
July 22.....	Hospital for the Insane, Mimico.	Repairs to and extension of wharf.	Rutherford Cummings, of Toronto.	Harold D. Robertson and Wm. W. Wallace, both of Toronto	.....	3,000 00
July 24.....	Parliament Buildings, Toronto, Department of Agriculture.	Vault fittings—filing cases and shelving, steel gallery and iron stairway, etc.	Library Bureau of Canada, Limited, of Toronto.	.....	.....	1,529 00

STATEMENT No. 4.—Continued.

Statement of Contracts entered into with His Majesty in 1909

Date.	Service.	Subject of Contract.	Contractor.	Sureties.	Description.	Amount.
						$ c.
July 26....	Dansey Bridge, Alzona District.	Construction of concrete piers and grading approaches to steel bridge at Blind River.	John F. Boyd, of the Town of Sault Ste. Marie.	William S. Boyd and Chas. A. McKinnon, both of the Town of Sault Ste. Marie.	....	2,655 00
July 27.....	Court House, North Bay.	Erection of an addition to the Court House.	Robert Wallace & Son, of the Town of North Bay.	.....	.....	4,385 00
July 27. ...	Normal School at North Bay.	Installation of plumbing and marble work.	W. J. McGuire, Limited, of the City of Toronto.	Owen Neily and Henry Farthing of Toronto.	.....	2,750 00
July 27.....	Normal School at North Bay.	Supply of electric fixtures, complete.	Samuel Wood, of the City of Toronto.	Aubrey E. Jeune and Samuel H. Sherwood, both of Toronto.	.....	697 53
July 29.....	Court House, North Bay.	Hot water heating, plumbing and electric wiring in addition to Court House.	J. E. Farrell, of the Town of North Bay.	.....	Heating	271 00
					Plumbing.....	340 00
					Electric wiring ...	15 00
Aug. 4.....	Normal School, Peterboro'.	Laying concrete walks on the grounds of the Normal School, Peterboro'.	Howard Shurter, of the City of Peterboro'.	The Imperial Guarantee and Accident Insurance Company of Canada.	Walks, per sq. foot (surface measurement).	11½
					Steps, per lineal ft.	1 50
					Extra filling, per cubic yard	40
Aug. 4.....	Normal School at North Bay.	Laying cement walks on the grounds of the Normal School, North Bay.	James Meehan, of the Town of North Bay.	James McCluskey and J. W. Richardson.	Walk, per sq. foot.	18

Aug. 4.....	Normal School at Stratford.	Laying cement walks on the grounds of the Normal School, Stratford.	William Ireland, of the City of Stratford.	Alexander W. Fisher and W. J Ireland, both of the City of Stratford.	Walk, per sq. foot.. Extra filling, per cubic yard..... Extra excavating, per cubic yard ..	11 1 00 14
Aug. 9.....	Institution for the Blind, Brantford ...	Installation of an automatic vacuum system and reconstruction of heating system.	Drake-Avery Company, Limited, of the City of Hamilton.	The United States Fidelity & Guaranty Company, of Baltimore, U.S.A.	....	2,745 00
Aug. 13.....	Normal School, Toronto.....	Alterations and additions to the boiler house.	Edward Gearing, of the City of Toronto.	Thomas V. Gearing and Daniel Browson, both of the City of Toronto.	....	2,745 00
Aug. 13....	Osgoode Hall, Toronto.	Interior and exterior painting work.	Richard J. Hovenden, of the City of Toronto.	William M. Burden and Charles E. Burden, both of Toronto.	....	2,193 00
Aug. 13	Parliament Buildings, Toronto.....	Interior painting.	Richard J. Hovenden, of the City of Toronto.	William M. Burden, and Charles E. Burden, both of Toronto.	.....	410 00
Aug. 13....	Osgoode Hall, Toronto.	Laying cement walks on the grounds.	The Queen City Concrete Paving Company, of Toronto.	....	12 cents per foot.	135 00
Aug. 17.....	Game and Fisheries ..	Erection of a boat house at Belleville for the use of the Fisheries Branch.	Charles H. Denyes, of the City of Belleville.	Henry Pringle and J. F. Mather, both of Belleville.	....	2,300 00
Aug. 20.....	Court House, Sudbury, Nipissing District..	For the material and work in laying cement walks on grounds.	David L. Brown, Sudbury.	....	Per square foot.	19

STATEMENT No. 4—Continued.

Statement of Contracts entered into with His Majesty in 1909.

Date.	Service.	Subject of Contract.	Contractor.	Sureties.	Description.	Amount.
						$ c.
Aug. 26.....	Tunnel Bridge, Township of Wells, Algoma District.....	Supply and erection of the steel superstructure of a bridge over the Mississauga River.	The Dickson Bridge Works Company, Limited, of the Town of Campbellford.	George T. Dickson and John S. Fielding, both of Campbellford	.....	4,892 00
September 1.	Root River Bridge, Algoma District.	Erection and completion of a timber bridge over the Root River, Township of Tarentorus.	Thomas C. Dinsmore, of the Township of Tarentorus.	.....	.....	760 00
September 4.	Martland Bridge, Nipissing District.	Erection of a timber bridge across stream in Township of Martland.	William Daoust, of the Township of Cosby.	.....	.....	980 00
Sept. 16	Madawaska River Bridge, Airy Township.	Supply and erection of steel superstructure of bridge at Whitney.	Hamilton Bridge Works Company, Limited, of Hamilton.	Robert M. Roy and Walter R. Champ, of Hamilton.	.....	1,095 00
Sept. 17	Court House, Kenora Kenora District.	Installation of plumbing work and steam heating system in Court House.	The Fred Armstrong Company, Limited, of Toronto.	.....	.....	3,660 00
Sept. 17	Court House, Kenora, Kenora District.	Electric wiring of Court House	The Fred Armstrong Company, Limited, of Toronto.	.....	.....	100 00
Sept. 27	Mississippi River, removing obstructions.	Removing obstructions west channel at Glen Isle, Township of Ramsay.	George A. Burgess, of the Town of Carleton Place.	.....	Per cubic yard. (Not to exceed $900)	1 00

October 12..	Parliament Buildings, west wing, Toronto.	Supply of hard building brick in connection with reconstruction of west wing.	The Hamilton Brick Company, Limited, of Toronto.	.....	Per M.	9 00
October 12..	Parliament Buildings, west wing, Toronto.	Supply of lime in connection with reconstruction of west wing destroyed by fire.	James Muldoon and David F. Palmer. Muldoon & Company, of Toronto.	.....	Per hundred pounds net.	36
Oct. 28	Parliament Buildings, west wing, Toronto.	Steel, wrought iron, blacksmiths' work, etc., in connection with reconstruction of west wing of Parliament Buildings.	The Dominion Bridge Company, Limited.	Plain beams in floors .	Per 100 lbs.....	2 30
				Punched beams and connections in floors	Per 100 lbs.....	2 45
				Riveted roof and construction material and all other riveted work and material on roofs. Including painting, labour and plant required.	Per 100 lbs..	3 80

Department of Public Works, Ontario.
Toronto, January, 1910.

J. P. EDWARDS,
Accountant and Law Clerk.

Third Annual Report

OF THE

Game and Fisheries Department

1909

PRINTED BY ORDER OF THE
LEGISLATIVE ASSEMBLY OF ONTARIO

TORONTO:
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1910

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WILLIAM BRIGGS,
29-37 Richmond Street West,
TORONTO

To His Honour JOHN MORISON GIBSON,
a Colonel in the Militia of Canada,
Lieutenant-Governor of Ontario.

MAY IT PLEASE YOUR HONOUR:

I have the honour to submit herewith, for the information of Your Honour and the Legislative Assembly, the Third Annual Report of the Game and Fisheries Department of this Province.

I have the honour to be,

Your Honour's most obedient servant,

J. O. REAUME,

Minister of Public Works.

Toronto, 16th December, 1909.

Third Annual Report

OF THE

Game and Fisheries Department

To the Honourable J. O. Reaume,
Minister of Public Works.

Sir,—I have the honour to submit for your information and approval the report of the Department of Game and Fisheries for the ten months ending October 30th, 1909.

In consequence of the change in the fiscal year from December 31st to October 30th, this report cannot be as complete as those of former years. Many of the statistics and other matters that can only be computed from the end of the calendar year will therefore appear in the report for 1909-1910, comprising the last two months of 1909. I desire to call your attention to the fact that a large portion of the revenue of the Department is received during the last two months of the year, the revenue from which will appear in next report. Notwithstanding this, the revenue is considerably in excess of that for the first ten months of 1908. This, I venture to hope, will be satisfactory to you and all concerned.

Enforcing Laws and Regulations.

I regret having been compelled to prosecute during the present year for infractions of the fishery laws a number of fishermen, farmers and others, who, having obtained licenses for alleged domestic purposes, have grossly abused the privileges accorded them, by illegally catching, selling and exporting black bass. These parties foolishly killing the goose that lays the golden egg. Most of these infractions occurred in localities and vicinities of summer resorts visited by large numbers of foreign tourists, the attraction being the angling for bass and other game fish. It is surprising that men living in these favoured localities should be so shortsighted to their own permanent interests as these men have proven themselves to be for doubtful and temporary gain. These men, instead of being poachers and lawbreakers, if alive to their own interests, would neither violate the law nor allow others to do so. Having a market for their produce and a demand for their services as guides, etc., and highly remunerative terms, should convince them of the folly of their past conduct and the wisdom of the Government in protecting and perpetuating the interests of those evidently unable to protect themselves. I fail to realize why the conditions of a license to take fish from the public waters should not be carried out and observed to the same extent as those relating to cutting and taking timber from the public domain. They are both valuable assets, and the same conditions should prevail. There is only one way to accomplish this, and that is to let all obtaining licenses realize in the most unmistakable manner that it is a business transaction, and must be carried out on business principles to the fullest extent, and in the event of their failure to do so no influence will be tolerated or allowed to shield them from the consequences of their wrong doing. Men who

knowingly take public property in excess of that they are legally entitled to by lease or license are not honest, and when caught have no right or cause to complain at being treated the same as other wrong doers.

The Government in the interests of the general public have been compelled to withdraw the privilege of hunting permits that have been grossly abused by residents in certain portions of organized territory to whom they were issued. It is time the settlers realized how unwise their conduct has been in the wanton destruction of game and fish. They fail to realize that with the disappearance of game and fish in the northern portions of the province, that the tourist would also disappear, and with them the large amounts they annually spend in the province, by which all portions of the community are benefited. The tourist business in the province is as yet comparatively undeveloped. The more I see and learn of our Northern Country the stronger is the impression on my mind of its special adaptation for a breathing place for the residents of the overcrowded Cities and Towns of this Continent. The increased facilities for reaching our Northern Country, with its thousands of miles of forests, lakes and rivers resulting from railroads recently constructed, and under construction, have been taken advantage of by many wealthy non-residents who have bought property on which to erect their summer houses in localities unexcelled. When we realize that one of the principal attractions to these pleasure seekers is the fish and game, it should be the duty of all classes of the community to assist the authorities in their efforts to protect and perpetuate this reproductive source of revenue so essential to transportation companies, hotel keepers, guides and settlers.

I regret that the absurd and unwise regulations that have prevailed in portions of Lake Erie for some years are still in effect, by which fishermen in these favoured localities are still allowed to violate the laws of Nature and common sense with impunity. Those responsible for these unjust and destructive regulations may have their own reasons, but a discerning public will have no difficulty in concluding that those reasons are not in the interest of the general public. I fail to realize how any matter of expediency of whatever magnitude would justify the issuing of regulations to fishermen allowing them to take whitefish from the spawning grounds during the entire close season. These absurd and unjust regulations make it impossible for this Department to enforce the laws in other localities where close seasons are supposed to be observed. No matter where whitefish are procured during the close season, dealers and others affirm they came from the exempted district. The other fishermen operating in Lake Erie waters adjoining the exempted waters, and who pay the same fees, complain, and not without ample cause, at being compelled to stop fishing during the month of November, while their favoured neighbours are allowed to continue fishing and reap a veritable and sinful harvest.

Re-stocking.

The first experience of this Department in raising Bass Fingerlings was tried by means of a pond at Brantford, with results exceeding our most sanguine expectations. At least 25,000 of these Fingerlings of the small mouth variety were raised and deposited in various waters of the Province. During the summer much anxiety was felt as to the success of the venture, and on more than one occasion it was thought that the result would be disastrous, and not until the work of transplanting was commenced, was it known to be a success. With the experience of the past year it is not unreasonable to look for at least one hundred thousand

in this same pond which has been secured for that purpose for another year, providing no unforeseen circumstances should arise. This will, I hope, lead to the establishing of a series of ponds, which will enable the work to be carried on on a much larger scale, and allow the re-stocking of those waters which have been depleted in years gone by, by settlers who had no regard for the welfare of future generations. It will also be the means of re-stocking inland lakes, that were never known to have fishing of any importance, but which are now becoming settled more and more each year by the summer Tourists. The State of Michigan with their bass ponds at Grand Rapids this year deposited over a million and a half of these bass fingerlings in the waters of that State, and there is no reason why the Province of Ontario should not do likewise.

Angling Permits.

The sale of these Permits was much in excess of last year, giving only another proof of the increased Tourist traffic, which the Province attracts with its numerous resorts for holiday making; not only is a pleasure derived from the summer outing, but the health-giving qualities are of such a nature that one experience leads to another. The abolishing of the much abused Family Permit has given general satisfaction, and I am glad to say that from the Officers' reports must less illegal fishing was done by the summer tourists this year than in former years.

Patrol Service.

The last few years of patrol service has been a decided improvement, but this year was so infinitely better that a comparison with former years is out of the question. The purchase of the "Navarch" and placing her on the Bay of Quinte, Lake Ontario, St. Lawrence River and Rideau Waters has proven to be a wise decision. The illegal fishing which was openly carried on in some of these aforementioned waters in utter defiance of the local Officers met its reward this year, when thousands of yards of net, boats, guns and many illegal contrivances were confiscated by the officers of this boat, and in many instances the culprits were caught and dealt with in a manner that should at least make them think that the Department intends to carry out the laws and regulations a wise Legislature decide to enact. The Department has received many compliments upon the attractive appearance this boat presented wherever she went; and it certainly was a decided improvement upon the craft which formerly were known as the Ontario Government Patrol Boats. The work that this boat began this year will, I trust, be carried on next year with as great a success, and there is no reason why it should not be even greater for at least she will go into commission six weeks earlier, which, through unforeseen circumstances, she was prevented from doing last year.

The "Naiad" which for the first time last year patrolled the waters which the "Navarch" did this, was placed upon the Kawartha Lakes and Lake Simcoe, with the result that laws and regulations were never so well observed. The tourists who openly boasted of their large daily catch of fish much in excess of what the law allowed, were this year much more observant of the laws and regulations knowing full well that should the officer in charge of this boat apprehend them in their illegal work prompt action would be taken to prevent a re-occurrence. The work this boat did on Lake Simcoe in breaking up illegal net fishing was alone worth the cost of her maintenance. It is expected, and reasonably so, that next year even better results will be obtained, the officer will be more familiar with his work, and it is

to be hoped that he will have the co-operation of all those along his route, whose interests should be to preserve the Fisheries.

The "Vega" which was purchased late last summer had not much chance to show what she would be able to do in the patrol service. This year she was on continual patrol from the 15th May until the 31st October patrolling waters around Manitoulin Island and Georgian Bay as far as Penetanguishene. The waters of the inner Channel of Georgian Bay with the "Vega," the "Charlotte" and "Florence," the two last being gasoline launches, never before received such good protection from the illegal fishermen; these boats being so constantly on patrol very few infractions of the law were observed.

The "Edna Ivan" in charge of Captain E. Dunn was chartered in the same manner as last year and went into commission the 1st of May and continued until the 31st November. She patrolled the waters of all the Great Lakes, visited the various fishing stations, settled many disputes between fishermen, prevented much illegal fishing by her presence and in fact gave excellent satisfaction.

Special Officers.

Another year's experience of having special officers at important shipping points to inspect all shipments of fish and to see that none were shipped excepting those legally caught has met with excellent results. I do not hesitate to say that this means has prevented, perhaps more than in any other manner, thousands of tons of fish which otherwise would be illegally caught, and a great improvement to the Fisheries will undoubtedly be observed in the course of the next few years.

Pollution of Public Waters.

The prevention of pollution of lakes, rivers and streams in the Province is most urgent. Three reasons why stream pollution must be curtailed are given in the Bulletin of the New York State Department of Health, as follows: "Among the many objections to the pollution of our natural watercourses there are three that stand out most prominently and which in fact embrace all the reasons advanced for the preventing the defilement of our lakes and rivers.

1. The Protection of Public Health. When the subject of Stream Pollution was first given serious attention the conditions attending the use of watercourses differed materially from those obtaining at present, and it was the necessity of preventing nuisances in streams and not that of preserving the public health which constituted the first reason advanced for requiring the purification of domestic sewage and manufacturing wastes. Under present day conditions, however, the principal justification for the campaign that is being universally waged against the discharge of crude sewage and wastes into streams is the need of protecting the public health. Not all Municipalities may secure public water supplies from springs and mountain streams flowing from uninhabited regions and so beyond doubt the danger to public health resulting from the unrestricted pollution of streams is the most important reason on both moral and economic grounds for demanding the purification of sewage.

2. The Prevention of Public Nuisances. Next in importance as a reason for requiring the treatment of sewage and wastes is the necessity of preventing public nuisances. Putrefactive conditions and other objectionable effects are set up in streams which have received organic matter and other wastes in excess of the capacity of the streams to properly digest or dilute the amount of sewage and wastes that has been discharged in its crude state into the stream. As stated above the conditions

of nuisance thus brought about called forth the first demands that were made for the treatment of sewage and wastes.

However, while the methods of treating domestic sewage are no longer in the experimental stage the same cannot be said of the methods of treating manufacturing refuse. This is true principally because of the fact that experimentation and research in evolving processes for treating industrial wastes has been carried on almost solely along utilization lines, rather than with the object of providing means for reducing and rendering unobjectionable such wastes before their discharge. From an economic standpoint this tendency is commendable, but in view that great damage is done to streams by the discharge of such wastes, greater attention should be given to providing means for their reduction even though no useful by-products will result from the process. Considerable interest is rightly centred of late on the conservation of the natural resources of the country, and the fact should not be lost sight of that pure water is the greatest source of health and that health is the first wealth." My object in making the above extract is to demonstrate that similar causes are producing the same effects in Ontario as those complained of by the authorities of the State of New York. Some two years ago a letter reached me from the Reeve of a village situated on the banks of the Grand River to the effect that in his official capacity in the interest of the inhabitants he had been compelled to have buried tons of putrid fish that had been killed by deleterious matter from a near-by factory. Many of the fish so wantonly destroyed had at the urgent request of the residents, been recently placed at considerable expense in these waters for restocking. For many miles below the factory referred to these contaminated waters run through a fine grazing country. Results from cattle drinking these waters, and even from eating fish caught in them can better be imagined than described. Although this Department is interested in this matter to the extent of being anxious to prevent the unnecessary and useless destruction of fish, it certainly appears to me that it is or should be the duty of the municipal authorities to do all possible in future not only to prevent such violations but also punish those committing them.

Ruffed Grouse—Partridge.

Two close seasons have been favourable to the increase of these grand native birds, especially in the northern portions of the Province. Of course, in the older settled parts of the Province they will disappear with the woods. The open season should be reduced to one month, the same as quail, from the first day of November to the thirtieth, both inclusive. This would prevent them being killed when immature, when whole coveys are destroyed.

Quail.

These birds were found in average numbers, in some localities. In the low lands many small immature birds were found, in consequence of the first nests being destroyed by flooding. I am not very sanguine as to the future of quail in the Province. Food and shelter, so essential to them in winter, is becoming scarcer each succeeding year. Of course, the reduced open season should have a favourable effect, and tend to keep up the supply.

Woodcock.

These birds are not increasing to the extent desired, although some fair bags were made during the season just closed.

Snipe and Plover.

Snipe and plover were found as numerous as usual, and in some localities afforded good sport.

Ducks.

Duck shooting early in the season was not satisfactory, owing to the unusually fine weather prevailing, but later on in the season, for some days, the shooting was all that could be desired by those entitled to be known as sportsmen.

All of which is respectfully submitted by,

Your obedient servant,

E. Tinsley,

Superintendent.

GAME AND FISHERIES INSPECTORS.

E. Tinsley,

Superintendent of Game and Fisheries.

Sir,—I am pleased to be able to report that notwithstanding the drawbacks caused by severe storms during October (when Commercial fishermen as a rule have their best catches) the past season has been fairly successful and would have been fully up to the average if these storms had not occurred.

The increased catch of Whitefish is the surprise of the season. This increase has not been local, but has been noticeable from one end of the Great Lakes to the other.

The catch of Trout was not as large during the Spring and Summer months as usual, but the fishermen all agree in saying that they were as numerous as ever during October and that the catch would have been as good as in former seasons if they could have lifted their nets regularly during that month.

These same storms caused heavy losses among the fishermen, some of the tugs losing half of the nets that they had in the water, but I have not heard of any loss of life by these storms.

The fisheries laws and regulations have been, on the whole, fairly well observed by licensed fishermen, only a few cases having come to my notice when it was necessary to impose a fine.

The patrol boats "Edna Ivan," "Navarch," "Naiad" and "Vega" that have been in commission the whole season as well as some others that were chartered for shorter terms have done splendid work, the Overseers in charge of them being very diligent in the discharge of their duties. I can say the same of all the Overseers and officers with very few exceptions.

I wish to congratulate you on the success of the experimental Bass Pond established near Brantford. For the first year I consider the hatch something to be

proud of and the small bass in shipping proves beyond a doubt that the fingerlings can be moved much more successfully than the older fish. You were also fortunate in securing the services of a competent man to place in charge of this important work, and I have no doubt that he can another season profiting by the known mistakes of this at least double the number of the hatch.

The service can be improved by adding several gasoline launches to your fleet, there being three or four places where these boats could be used to advantage. We need a good boat for service on the eastern end of Lake Superior. For this work I believe that a sailboat, with gasoline engine, would be the most serviceable, being better than a larger one, on account of the many harbours in these waters open only to the smaller craft.

The licensed guide has been a success, every one acknowledges that. The Anglers and hunters get competent men; the fish and game get protection they never had before, and these being the main reasons why the fee was imposed and the license made obligatory, we cannot call it anything but a success.

There is a widespread opinion among the hunters that the open season for deer is too early and if we are going to have as late seasons as this one was no doubt it is the case. I am told that a large number of deer were left in the woods, the hunters not being able to get them out before they were spoiled, and it appears to be the opinion of all the experts that I have met that if the open season was from the 15th to the 30th of November it would be an improvement.

Many reports have reached me of the great destruction of Deer by the wolves in the Northern part of the Province. Just what is the best remedy for this is hard to determine, our present bounty does not seem to meet the case. There is a great difference of opinion as to whether an increased bounty would be of benefit or not.

The prohibition of partridge shooting for the past two seasons has resulted in a large increase in the number of these birds in nearly all sections of the Province and I have no doubt that it will be possible to allow the usual open season next year.

I have the honour to be,

Your obedient servant,

WM. W. HOLDEN,

Inspector.

GAME AND FISHERY WARDENS.

Warden Dr. Burt, of Simcoe, reports:

SPECKLED TROUT.

These game fish are becoming very scarce in his district. They have so many fishermen, and so few fish that, although there are some ideal trout streams in his district, the fish are becoming very scarce.

BASS.

The bass in Long Point Bay are becoming more plentiful. The anglers report having better luck this year than in 1908. These bass are larger than were formerly

caught. He is still of the opinion that the prohibition of the sale of bass and the enforcement of the law against illegal fishing has made a decided improvement in these waters. The experiment of Brantford of placing parent bass in a small pond and allowing them to breed was successful. The fish appeared to raise as many young as they would in natural conditions.

Commercial Fish.

This year has been one of the most successful for whitefish in many years. The herring are fully as plentiful as formerly, and the carp are increasing rapidly in number. The fishermen are now getting a fairly good price for the latter fish, except at certain times when the markets are glutted. There are several fishermen in his district who have built carp ponds, and are catching these fish when they are numerous, and cheap, keeping them alive and feeding them in the ponds. The experiment is in its earlier stages, and he cannot yet say how successful it will be.

Quail.

These birds are not as numerous in his district as last year.

Ruffed Grouse and Partridge.

These birds have increased slightly in number in the last year, owing to their protection. He would recommend that the shooting of quail and ruffed grouse be prohibited in his district during the year 1910.

Woodcock.

This bird for a great many years has been very scarce in his district, but it is reported to have been fairly numerous this year. Largely owing to the flight of the northern birds he has heard of few, if any, breeding in the district, but during the season, individual guns have occasionally been able to get some six to ten birds in a day's shooting.

Black Squirrels.

There has been a slight increase in the number of black squirrels in the district, owing to the Deputy Wardens enforcing the law more strictly than has been done in the past.

Wild Geese.

As he had reported in the past, they practically have no wild goose shooting in his district.

Wild Ducks.

It is reported that along the Niagara River and the Grand River ducks have been scarcer than last year, but at Long Point Bay and the marshes surrounding it, they have been more numerous than even the oldest inhabitant ever remembers. No very large bags, however, have been made, as the ducks appear to have been shot at in the North country before they arrive here, so that they are very shy of decoys.

Fur-bearing Animals.

The muskrat is the main fur-bearing animal in his district, and is reported to be fairly numerous this fall, but as the water in the different marshes is very low, the trappers anticipate that a great many of them may be killed during the winter through inability to burrow out of their houses and secure sufficient supply of food. While the law has not been as much broken as in the past, he found some cases where muskrats were illegally taken. He would suggest that the killing of muskrats in the month of December be prohibited. The fur at that season is not in good condition, and the owners of the land upon which the rats breed never attempt to trap them until the spring. The consequence is that the only rats taken in this district in December are taken by the poaching element. He would again recommend that the use of dogs, spears or guns in the taking of muskrats be prohibited for the reasons stated in his former reports. The game laws in a great part of his district have been well observed. Most of the Deputy Wardens and Overseers have discharged their duties very efficiently.

An interesting experiment has been attempted in his district by the Long Point Company, who have imported a number of elk and placed them upon Long Point Island. He regrets to say that one of these animals escaped, and was killed during the month of November. He has, however, secured evidence and is prosecuting the party who was supposed to have killed this animal.

Game and Fishery Warden V. Chauvin, of Windsor, reports that the fishermen are very fairly satisfied with their catch. The catch is smaller than last year, but especially in herring, the price is much better. There has been more whitefish caught in the Detroit River this fall than there has been for fifteen years past, some fishermen caught as high as twelve hundred a day with a seine. Lake St. Clair has also been good for whitefish, but not as good as any other year for any other kind of fish. Lake Erie has been generally about the same, except Port Stanley and up to Port Colborne, they have caught more perch than they used to. White bass has been more numerous in Lake Erie. Lake Huron has been about the same as any other year. Angling has been fairly satisfactory to the sportsman. The fishermen are improving in their shipping of fish and there has been very little seized this year. The only trouble there is now, is that they do not address their shipments properly.

In regard to game, quail is about the same as last year; there have been a few quail killed this fall. There is a lot of quail left for breeding purposes. He knows a bevy that has not been shot at. If there is a good winter and dry spring there should be a lot of quail next year. Partridges are scarce this year, also black squirrel, in this part of the Province. Muskrats have been as plentiful as ever. Wild geese are about the same as last year, there are very few of them shot around there. There were more black and grey ducks this fall in the Detroit River than there has been for years. The other kind of river ducks have been scarce. In Lake St Clair Flats there has been fairly good shooting, also along Lake Erie the game law has been fairly well observed in his division.

Warden Alf. Hunter, of Belleville, reports that fishing of all kinds has materially improved in his district. Commercial fishermen report that the past season has been the best in the last ten years, and that the laws have been observed better. He was glad to report that the Province is awakening to the fact that they possess a valuable asset in the Fish and Game, and that more attention should be

paid to it. Game fish are also on the increase and are attracting the tourists. He is glad to note that your Department is taking steps to take the ling out of the Rideau waters. He thinks it is a step in the right direction that you are starting bass ponds. He had the privilege of visiting the one at Brantford lately and found it doing good work. He would suggest that another hatchery be constructed either in the Bay of Quinte or the Rideau waters. He is also glad to report on the good work performed by the patrol boats, the "Navarch" and "Naiad." They certainly have a deterrent effect on poachers. He was also glad to report that the overseers under his charge, with but few exceptions, are doing good work. He thinks that if they were better paid they would accomplish more good. He reports that the system of licensing guides is working well, and from his personal knowledge of the angling situation he finds that the best rod fishing is in the parts where the Hoop Net fishing is licensed.

In all parts of the Province partridge have increased, ducks are reported fewer in number, deer also appear to be either fewer in number or harder to kill. He would recommend extending the close season from November 15th-December 1st, also to restrict the hunters to one deer each. He also thinks that muskrat trappers should be licensed. Mink, he thinks, should be protected by a close season, otherwise in a short time there will be none to protect. Beaver and otter are becoming numerous and he would suggest that they be killed under Government supervision of the park rangers or overseers, the skins to be sold for the benefit of the Province; also that only a limited number of the above be killed each year. A number of cases of violation of the Fish and Game Act came before him during the year, but on the whole he finds that the Act is fairly well observed.

Warden Geo. M. Parks, of North Bay, reports as follows:

Anglers during the past season have met with better success than for several seasons, more especially in Lake Nipissing and the French River districts.

Speckled trout have been very plentiful in the northern streams during the past season. He has not had any trouble in collecting angling fees from the non-residents this season, due to the prosecuting of a number of non-residents during the previous year. The licensing of fishing and hunting guides has met with great favour among the non-residents, as it helps them to secure a better class of guides and no doubt all the fishing and hunting parties would demand a licensed guide if their license called for such; this would also save a great deal of trouble with a certain number of guides who try to escape paying their two dollars for license.

Ducks were very plentiful all over the district, more especially in the northern sections.

Wild geese are very scarce in this vicinity, but are very plentiful in the northern sections.

As to partridge, the close seasons of 1908 and 1909 have had the expected beneficial effect and nearly every part of the district where he has been travelling he finds large numbers of these much valued birds, and he would like to see the open season reduced to one month.

Regarding deer, judging from the number taken out by the hunters during the late season, the natural conclusion would be that they were numerically holding their own. The reason for this is that the construction of new lines of railways has made the hitherto inaccessible hunting ground easy for the hunters to reach. It seems incredible that our northern districts should continue to supply these

immense numbers year by year, and he thinks that the time has arrived for the hunters to be satisfied with one deer as their limit for at least two years.

Moose seem to be holding their own. While patrolling many small lakes north of there he has seen several small herds of five and six together. A number of moose have been reported south and east of there.

Beaver and otter have increased to a large extent, and the protection of these animals is a very difficult matter to contend with.

Warden J. T. Robinson, of Sault Ste. Marie, reports that speckled trout are plentiful in that district. Angling parties camped around the inland lakes and rivers. They were well pleased with the catch. The law was well observed by the anglers. The fishermen report that the fishing this season has been fairly good, the law has been well observed by the fishermen. There should be a longer close season for white fish and salmon trout, say, from the 15th October to the 1st of December. He says that rainbow and grey trout should be protected, the close season for these fish should be the same as for speckled trout. He says that the Department should have all nets lifted out of the water in close season; pound nets in Georgian Bay and Lake Huron should not be allowed in November.

Partridges are plentiful in that district, and the close season has been fairly well observed. He would say that there should be an open season in 1910. Wild ducks are plentiful, but owing to the mild weather the hunters have not been able to bag many of these birds, as they kept out in the open water. Beaver are plentiful there, but it is most difficult to protect those animals owing to the high price the trappers get for their pelts, and the easy way they have of getting them out of the Province. There should be a trapper's license, say, of $50 for a resident and $100 for a non-resident. Mink and muskrats are plentiful; they should be looked after, as their skins are valuable. Wild geese are very scarce there, as he has not seen one in his division this season. Deer and moose never were known to be so plentiful in that north country as they were this season, but owing to the mild weather there were not as many shot as in the season of 1908. It is difficult to protect the deer and moose there owing to so many lumber camps in that district. The law should be changed so as to prevent men taking guns to the lumber camps. He would like to see the law changed so as to stop hunters running deer with dogs in the open season. Wolves are very plentiful there, and if something is not done to get rid of them they will in a few years destroy all the deer. There should be a larger bounty given, so as to encourage the people to hunt them. If the Department would offer $20 for each wolf, there would soon be a lot of them destroyed.

Warden C. N. Sterling, of Kenora, reports that he has been over the greater portion of his district twice during the year, and is pleased to report that he has found a very great improvement in the general state of things. There is a desire on the part of those engaged in fishing, trapping and hunting, as well as settlers, to protect game and observe the laws relating to same. Fishing has been fully up to the standard of last year, and he has had very little trouble with those engaged in it, all doing their best to comply with the law. The transcontinental work being completed in this portion of his district he will be able to devote more attention to the eastern part of it.

Partridge have increased considerably, owing, no doubt, to the wise action of the Department in stopping the killing of same, and he is of opinion that next season there will be a very large increase. Grouse are fairly numerous.

Ducks and geese are also very numerous in the western part of his district. Mink and muskrats are fairly numerous and fully up to the standard of last year. Otter and beaver are increasing every year, but during the past year there is a perceptible increase, and, as far as he is aware, there has been no violation of the law.

Warden J. H. Willmott, of Beaumaris, reports that during the past season there has been a marked improvement in angling, both as to quantity and size. The presence of the patrol boat "Meenagha," on the Muskoka Lakes, has been the means of many more angling licenses being sold, and has also proved a deterrent to those who have hitherto disregarded the clause in the Act relative to size and number allowed to be taken per day. He may mention that throughout our northern districts there are many American fishing clubs, some of these owning land and having very fine club houses erected thereon. As a rule the members spend most of their time fishing, and needless to say, many thousands of our fish are annually caught by these men, who, after taking out their licenses are only acting inside their rights. As an example, he says we will suppose that a club has a membership of thirty men (which is a low estimate, as some have over a hundred). We will say that twenty out of those thirty go out fishing and catch their legal number, these amount to one hundred and sixty a day, or 4,160 in a month of 26 working days. Looking at this matter in the above light, it is apparent that many thousands of fish are annually taken by club men. During the season he has planted the bass "fingerlings" from the Brantford hatchery, in Lakes Muskoka, Rosseau, Joseph and Gull Lake, also the Lake of Bays. These fingerlings carry far better than the adult bass, the mortality in transit amounting to a minimum. It seems a pity that the Dominion Government does not make a change in the close season for lake trout, especially as this has been pointed out to them for the last twenty-one years to his knowledge. The close season at present being for the month of November, and the facts being thus, these fish come into the shoals to spawn about the eighth or tenth of October (and are then caught in numbers), and are through spawning when the close season sets in, thus permitting fishermen and others to take these fish indiscriminately just at the time they need protection. On account of the Provincial fiscal year ending on the 31st of October instead of the 31st of December as heretofore, his report will not be so comprehensive as otherwise, as any remarks relative to the results of the coming hunting season will necessarily be excluded. Deer are reported plentiful in those sections opened up by the C.P. and C.N.O. Railways, through the district of Parry Sound and part of Nipissing, but owing to the annual increase in the number of hunters, he thinks it is only a question of time before further restrictions are placed on hunters as regards the number allowed to each individual. Moose are reported very plentiful, forty or fifty miles north of the C. P. R. track, and it would appear impossible to exterminate them, as they will continue to move further back as occasion demands. This region being almost inaccessible to sportsmen, very few are killed by this class of men, but there is no doubt that some fall to the rifles of prospectors, surveyors, etc., for good purposes. Partridges have no doubt profited by the protection they have enjoyed during the past two seasons, there is every reason to believe that some have been killed by the "non-law-abiding class." Should we be favoured by good weather during the next breeding season the numbers will be con-

siderably increased. The Order-in-Council compelling settlers in organized townships to take out the regular deer hunting license has not met with the amount of opposition he feared it would. As a further protection to our small game and insectivorous birds, he feels sure that a general gun license would be the keynote as this would put a stop to the foreign element, who at present prove a nuisance to this class of bird and animal life. It would also put a stop to farmers' boys and others handling firearms and prevent many accidents which frequently occur through this cause.

SPECIAL GAME AND FISHERY OVERSEER.

Overseer Daniel Blea, of Uplands, reports that rod fishing has been good this season.

In regard to deer he would strongly recommend one deer to each man. He would also recommend that hunting with dogs be done away with for a few years and also to prohibit the sale of venison for a year or so. The protection of beaver and otter has been the most difficult to contend with, because they have so many ways of getting away with it.

Our partridge is getting quite plentiful again, and if we have a favourable winter and spring we will have lots of birds again. The game laws have been well observed.

GAME AND FISHERY OVERSEERS.

Lake of the Woods and Rainy River District.

Overseer Fred Blanchard, of Fort Frances, reports that this year has been the worst year for some time in regards to the fishing. They have been bothered quite a lot with American poachers and sporting parties killing the game, but being on the boundary convictions are hard to get. Timber wolves are greatly on the increase all through the district.

Fishermen complain of American fishermen stealing their nets and nothing but a daily patrol boat will help the fishermen and also stop the poaching.

River Nepigon.

Overseer P. A. Leitch, of Nepigon, reports that the number of tourists visiting the Nepigon waters this season was slightly in excess of the previous season, notwithstanding the fact that we get most of our tourists from the United States, and an exposition at Seattle this season attracted a number of our annual visitors. All those visiting the Nepigon waters this season invariably reported excellent sport and enjoyed themselves thoroughly. Fishing was above the average, many brook trout from 4 to 8 pounds being taken during the season.

The larger game, such as moose, cariboo and red deer, in the country contributary to the Nepigon waters, viz., in the Nepigon forest reserves, have increased greatly in numbers during the past few years, due principally to the reserve regu-

lations, prohibiting firearms to be taken into the reserve during the close season for these animals, making this reserve a tourists' paradise, not only for fishing and shooting but also for boating and canoeing of all kinds, with scenery that cannot be surpassed in the Dominion. It is, however, surprising to know to how few people of the class who are annually hunting for such sport, the Nepigon attractions are known, and more especially to Americans, who form the majority of our visitors on the Nepigon waters each season. The fish and game regulations were well observed this season, no prosecutions being necessary. As the country tributary to the waters, particularly Lake Nepigon, is made more accessible, by the building of the Transcontinental and Canadian Northern Railways, and the attractions of the district becomes more generally known, the Nepigon Forest Reserve will be very largely patronized and the land around the shores of Lake Nepigon, also the island in the lake itself, will be in great demand for sites for summer cottagers, house boats, etc., by these tourists, who desire to have a permanent place where they can spend a few weeks each summer with their families and have good sport in the way of fishing and boating and good hunting in season.

A new and neat hotel, "The Nepigon Inn," was erected and opened this season at Nepigon Station, to cater to the tourists and other traffic and has proven a boon to the tourists visiting here, and should be the means of bringing a larger number of visitors to the Nepigon waters than heretofore, as such an hotel was always badly needed here. He feels certain if some judicious advertising was done by the Province to make known the attractions of the Nepigon Forest Reserve, such as scenery, boating of all kinds, fishing and shooting, they would greatly benefit and thereby increase receipts from angling permits, hunting licenses and rental of summer cottages and camp sites. There are some Americans already applying for such camp sites and permission to erect and maintain house boats, launches, etc., on Lake Nepigon for this purpose, but if these attractions were better known, they would have one hundred visitors to every one they have at present. There are a number of Sportsmen's Shows held at various points throughout the United States each winter and he thinks if specimens of our fish and game, in the way of fish skins mounted on birch bark, framed, also moose, cariboo and red deer heads mounted, together with a series of photographs of the scenery, were put on exhibition at these shows, in charge of some intelligent person who thoroughly understands the conditions here and who could explain the various means of sport and scenery to be enjoyed, excellent results would be obtained in increased revenue.

Lake Huron (North Channel).

Overseer J. R. Bradbury, of Blind River, reports that there has been no serious infringement of the law in his locality so far as he was able to ascertain and he disposed of only eight angling permits, although he challenged quite a number of pleasure boats. He finds nothing to complain of and the people either produced their license or satisfied him that they were not fishing and anxious to know the law in connection with the Game and Fishery Department.

With reference to the deer hunting, there was a large number of hunters in the woods and many deer and moose shot. He noticed that nearly all the red deer shot were bucks this year, very few does. The moose were very plentiful, one party of eight, seven non-residents and one resident, brought in eight large moose and six deer. As the law is, if there is one or two good shots in the party they stay till he fills their license for the whole party. With reference to the clause on license

coupons marked "expires on November 21st," seem to cause some dispute as to when the hunting season is closed; as it is, the meaning is not understood by some.

With reference to winter fishing at Thessalon, he is informed that a considerable number of fishermen, those who follow the occupation also continue to make their living by fishing in the winter, and as some of the fishermen spoke to him with reference to a report that it is the intention of the Department not to allow fish taken in the winter to be shipped outside the Province, and as these men claim that by selling their fish is the only way they have of making a living for their families, and as it is claimed that the smallness of the prices to be obtained in the local market in the Province is much less than can be obtained in American cities.

Overseer A. Calbeck, of Sault Ste. Marie, reports that reports from fishermen are to the effect that the catch of white fish and lake trout is much larger this season than it was for the season of 1908; white fish especially have increased very largely this season, as the reports of the fishermen will go to show. The only reason he can give for this increase is that they are leaving the protected waters for better feeding grounds. The law is fairly well observed among our own fishermen, but a good deal of poaching is being done by Americans in our waters. They come over and set their nets in the evening, lift them in the morning, and go back to their own shore. He cannot too strongly recommend that a suitable patrol boat be put on the waters between the southeast end of St. Joe's Island, in Lake Huron, and Richardson's Harbour, Lake Superior. There was a very large increase in the number of tourists who visited our speckled trout fishing grounds on the north shore of Lake Superior this season over former seasons. He also noticed that there was a much larger increase in the revenue from the game and fisheries this season than there was for the season of 1907 and 1908. The reason of this is that the waters of Lake Superior were better patrolled than formerly.

During the early portion of the year 1909 he secured six convictions, all for the killing of deer during the close season, the costs and fines amounting to $469.80. The convictions all resulted from infractions of the laws in jobbers' lumber camps on the A. C. R., and he says, in his opinion, that there are as many deer and moose killed in the close season in this district as there are in the open season, considering the ravages of wolves and man. Deer are becoming more plentiful every year, yet he would strongly recommend that the present bounty on wolves be increased to $25. This would be an inducement for sportsmen to take means to destroy them. Beaver are becoming more plentiful, notwithstanding the fact that large numbers of them are trapped every season. He would recommend that the season for beaver be extended. Muskrats are becoming more plentiful every year. The close season for partridge has been most beneficial, as they are increasing very rapidly. In conclusion he would say that, on the whole he believes conditions are improving with respect to the observance of the law in regard to game and fish in that district.

Overseer Joseph Hembruff, of Manitowaning, reports that the angling for bass was not quite so good as last year, but there have been more tourists than for years past. Quite a number of tourist buildings have been built around the lake. He thinks when the tourists come that it would be a good plan to stay on the lake two or three days each week to keep proper watch and a good boat provided, as it gets very rough sometimes on Lake Manitou.

The Manitou Fish Co. had a very good catch in the first part of the season until about the 11th of June, but not much of a catch since. Their hatchery was a failure last winter. Regarding game, the partridge are increasing, ducks about the same as last year, and deer very scarce. He has had no complaints, and as far as known the law has not been broken.

Overseer William Hunter, of Tehkummah, reports that there have been no complaints of any illegal fishing or hunting this season so far. There seems to be a scarcity of trout in Manitou River, though there is a fishway wanted at Michael's Bay, and he is informed by some of the settlers around Providence Bay that the close season for fishing in Mindemoya Lake is a month too late, as the fish spawn in that lake in October instead of November. The Sandfield Mills' hatchery has not been in operation this summer, but he understands the company are going to start this fall and run this winter. The Fishery and Game laws have been well respected in this part of the Island this year.

Overseer Thomas Johnson, of Sault Ste. Marie, reports that the Fisheries Regulations have been well observed in that district, and he believes a good improvement over past years. All who came to the Island to fish had their permits this year and they report good fishing and seem highly pleased with the method adopted for protecting the speckled trout. He thinks it was a good thing to license the Canadian guides, and he is quite convinced that the trip of the "Edna Ivan" along the shore had a great effect in stopping illegal fishing. He has heard several say it is not safe to try that kind of thing any longer. Fishing this year around the Island was a little better than usual; fishermen say it was owing to the nice summer. October was very rough, and they lost a great number of nets. Fish of both kinds were larger than usual.

Overseer Richard Oliver, of Little Current, as captain of the patrol boat "Vega," reports that the "Vega" went into commission May 17th, and he has been able to give a fairly good service, though, in his opinion, he has not been able to do justice to the amount of territory that she had to cover, as the territory was too large. He has found the game plentiful, though he has received several reports of deer and moose being slaughtered, which he has not been able to properly investigate. The fishing, such as black bass and pickerel, has been extra good. The season for tourists has been a good one, and there has been a great number of them along the north shore of North Channel, between Penetang and Algoma Mills. He finds the guides, or at least the majority of them, have been a great assistance to him in the vicinity of Little Current. He finds that the guides farther east where the summer hotels are, are handicapped or ruled to a certain extent by the hotel keepers. If they do not please the tourists they are not employed as the hotel keepers nearly always give the tourist the names of the guides that they wish employed, and if they do not please the tourist and work to the interest of the hotelkeeper they are not employed, and a great number of the tourists do not take guides at all and there is no check on them as to keeping the law. He finds that commercial fisheries in the majority of places have not been nearly as good as they were last year, though the weather has been fairly good except about six weeks in the latter part of the season, when it was very rough.

The pound net fishing, he thinks, has been very nearly as good as last year, although he has not yet received the fishermen's returns so he cannot speak posi-

tively. The prices for whitefish he thinks will average six and a half cents per pound. He thinks about seventy-five per cent. of the catch has been shipped to the American markets, while about twenty-five per cent. has been consumed in Ontario.

Overseer George Thurlow, of Nairn Centre, reports that the game and fishery laws have been better observed during the past year than in the two years previous, as no one knew of an overseer in that district, and it was go as you please. Fishing on Sunday was common, as well as in closed seasons. He had only on one occasion to fine for Sunday fishing and three for hunting on Sunday, although he has visited the lakes several times on Sundays. Bass and pickerel are very plentiful in most of the lakes in his district.

As to game, deer and moose are very plentiful both to north and south of Nairn Centre on Soo Branch between sixty and seventy (60 and 70) being shipped during hunting season in 1908, and most of the settlers having a good supply.

Partridge are on the increase, but not so plentiful as two years ago, the bush fires of 1908 destroying great numbers of them. Ducks are scarce. He has only seen 15 of them all summer, although he has travelled for many miles on rivers and lake shore.

Overseer W. J. Wright, of Ice Lake, reports that the black bass in Kagawong Lake are, he thinks, on the decrease. There were this season about 75 or 80 people from outside here during July and August, and there was certainly a large number of fish caught and wasted. When two men go out for a few days' fishing and come in with 16 fish it is not so bad, for they have not exceeded the limit; but when 12 go out in one boat and bring in 96 fish, one, two or three of the party may have hooked most of the catch for all he knows. He says that when the waste comes in they take them to the hotel; as they can't eat them all, they spoil. He has seen them carried out by the hundredweight more than once, but no one had broken the law as he understands it, so nothing could be done to prevent it.

He recommends that the close season be extended until July for black bass, as for the last week in June they are still on the shoals and are easily caught. He would strongly recommend that every person fishing in that lake except the actual settler, pay a license. The law has not been broken as far as he knows. The deer around the lake are becoming quite plentiful. A few years ago there were very few on the Island. Fur-bearing animals are scarce, except mink and muskrat; there are lots of those. Partridge, thanks to the close season of the last two years, are becoming quite plentiful again, but he would recommend that the open season for the next few years be one month, say, from the 15th of October to the 15th of November. Earlier than the above date partridge are in flocks, so usually a man with a gun gets the whole flock. Later on they pair off and stand a better chance.

Georgian Bay.

Overseer John Beatty, of Old Fort, Midland, reports that the trout fishing has not been as good for a number of years as this season. There has been abundance of pike and maskinonge caught in Mud Lake and Wye River and the fishermen were well pleased with their catch.

The partridge seem to be increasing very fast. The duck hunters claim they never saw as many ducks in twenty-five years as they saw this season. Snipe and

woodcock do not seem to be so plentiful. By the number of muskrats seen they must be increasing very fast. The last report from the deer hunters state deer very plentiful.

Overseer B. A. Dusang, of Fesserton, reports that Angling has been good the past season; the game fish as plentiful as the year 1908; and Americans very plentiful. He sold three hundred and eighteen dollars of permits, about double of any year previous. He was on the road all the time between there and Moon River, the majority of tourists get their permits before they come up there. He has eighteen licensed fishermen in his division; whitefish and trout were about the same catch as last year, they don't seem to decrease any. About half of the fish is consumed in Canada and the rest goes to the United States. The laws have been well observed. Partridge are getting pretty plentiful; if they put the winter in they will be very plentiful another year. He had forty-six guides in his division that took out license. He thinks that there should be some power given to an Overseer, so that when he is thirty or forty miles away from a magistrate he could dispose of small violations such as catching one or two small fish under size, when it is almost impossible to get them to justice. Deer have been scarce; very few killed in that district. He travelled about twenty-seven hundred miles with the little boat "Florence" on the north shore this season. Carp were not so plentiful as the year before.

Overseer J. W. Jermyn, of Wiarton, reports that he regrets to say this season has not been favourable for the fishermen. The spring and summer catches were very light—not enough to pay expenses. Then this fall the fish were unusually late coming on the shoals, and the weather was so rough they could not set or lift nets for over a week at a time, many of them lost the greater part of what nets they had so that when a fine day came they had nothing to work with, and many were forced to cease operations before the close season. He is quite certain the catch of fish is not more than one-half as large as other years in this district. He also states whitefish was more plentiful this season than on previous years, while the trout seems to be less. As the season is just opened for Game he cannot say very much on that line. During the season he has made several visits up the Bruce Peninsula, and finds there are quite a few deer left in certain localities. Partridge is also on the increase, no doubt owing to the provision in the law protecting them. Ducks are very plentiful this season. He is pleased to report that both the Fish and Game laws in this division have been fairly well observed, while in some of the adjoining divisions there have been several infractions of the Fishery Act; however, he got after some of the parties, seized a large quantity of hooks, lines and fish, and the offenders had to appear before a Justice of the Peace and were heavily fined. This action somewhat broke up a bad gang and he believes had a good effect.

Overseer John Kennedy, of Meaford, reports that summer fishing was fairly good as the spring was very backward, the fishermen were later in getting out, there being so much ice in the bay. Fall fishing has not been so good as 1908 on account of October being so rough; the last few days were fine, they had good hauls in taking in their nets, averaging from 3,000 pounds for tugs. He is pleased to report that all the nets were in on the first of November. The Carp for the first time were seen in Meaford Harbour, and following the Sturgeon. One or two were caught weighing 20 pounds. The fishermen are afraid they will be an injury to them—that they will take the spawn.

Overseer Charles H. Knight, of Byng Inlet, reports that the gasoline launch "Charlotte" was put in commission, and proved a great help in the season's operations. He has had no complaint from the licensed fishermen. They have been very law abiding, and to some extent have been a help to him in keeping down illegal fishing, as they find it in their interest to do so. The catch of Whitefish and Trout will not be as heavy this season as last. He was called to burn nine trap nets at Bad River, but so far he has not been able to learn who the owner is. He has had one conviction for fishing nets without license so far this year. Bass and Pickerel were plentiful, more Pickerel having been caught by angling in Magnetawan River this season than for the three years previous. This is owing to vigilant protection in spawning season. Deer are not as numerous in this locality as last year, owing to their having been run out with dogs in September. Partridge are on the increase, owing to the close season afforded them by the Department. He says that the law has been well observed in his division, better than any previous year. He thinks the licensing of guides a good move, and believes it has a good effect, and thinks a good move would be to license trappers, say, a fee of $5.00.

Lake Huron (Proper) and River St. Clair.

Overseer H. A. Blunden, of Sarnia, reports that the season opened fairly early with a continuous spell of south and southwest winds enabling the fishermen to set their nets without much trouble. Along the St. Clair River, the seine fishermen, and Lake Huron from the mouth of the river as far north as Blue Point, the pound net fishermen, reported a light catch during the early fishing season, which he thinks can be accounted for by the spell of south winds before mentioned driving the fish out into deep water and besides he heard the American fishermen were obtaining a large haul on their side of the Lake, therefore proving that the winds have an effect on the fish. Since the fishermen before mentioned have reset their pound nets for the fall trade he understands that they are getting very satisfactory hauls. The fishermen operating between Blue Point and Grand Bend reported a more satisfactory season so far than the ones to the south of that point, particularly in whitefish and trout. He is sorry to say there were more prosecutions for catching and offering for sale small or illegal fish this season than usual, probably owing to the small catches in the first part of the season, but since the beginning of fall operations and the returns have been greater there seems to be no cause for complaint. Taking the season as a whole he has found the fishermen taking a deeper interest in their own welfare by assisting the hatcheries to collect spawn and otherwise obeying the laws. In the immediate vicinity of Sarnia there seems to be no partridge, but he learned from his travels through the outlying districts when he was posting notices and otherwise looking after the interests of the Department that there were a few to be had, and he thinks it was a timely act of the Department in putting on a longer close season. Quail do not seem to be as numerous as he would like to see them as their covers are gradually being laid low. Geese are already to be seen flying south in large flocks. Ducks have been plentiful this season. Mink seem to be plentiful, and, owing to their destructive raids on poultry and the ready sale for their pelts they are much sought after. Muskrats are very numerous in Sarnia Bay if their odd huts are any indication of their numbers, but there does not seem to be as much destruction from them in the ditches and watercourses as usual, probably owing to the past two seasons being so uncommonly dry, not affording them as much water for protection as they usually seem to require.

Overseer D. Kehoe, of Millarton, reports that the fishing law has been well observed in his division. The fishermen think it better to keep the law than to break it. He had one complaint regarding the game law, but could not get evidence to secure a conviction. He had no conviction in his division this year. He is satisfied the law is as well observed as could be expected.

Overseer D. Robertson, of Southampton, reports that the season of 1909 has been a poor season for the fishermen of his division. In the first part of the season they did fairly well; midsummer fishing was very poor; first week in October the tugs did very well and fish seemed very plentiful, but after that date the weather was very stormy and some nets were out three weeks, the weather being so rough they could not be lifted. He has had three convictions this season, one at Allanford, viz., a party allowing sawdust and mill refuse to go into the Sauble River, fined twenty dollars and costs. Two parties in Carrick township were each fined ten dollars and costs for catching speckled trout with nets—nets seized and forwarded to the Department. As to game, Partridge is very plentiful and increasing. Hares plentiful. Close season has been fairly well observed.

LAKE ST. CLAIR, RIVER THAMES AND DETROIT RIVER.

Overseer P. W. Laframboise, of Canard River, reports that the fishermen have very well obeyed the laws. He is told that the continual blasting at the Lime Kiln crossing in the Detroit River is destroying a large quantity of fish and he has decided to go personally and investigate, and will report later on. He has had but one case of illegal fishing by parties from the United States, and he has seized their minnow net as reported in his report for the month of October. In regard to the Game he is much annoyed by the Americans; they come around Fighting Island in great numbers, and it is impossible for one man to reach them with a row boat. He came upon five men from the United States shooting off of Fighting Island, and with assistance he managed to seize their boats and decoys, but could not get them as they took to the marsh. He thinks some means should be taken to put a stop to them, and capture them if they keep coming over here to shoot.

Overseer Richard Little, of Wallaceburg, reports that this has been the banner year for Angling, much better than last year, the fishing and shooting laws were well observed. He would also recommend doing away with spring fishing, and let them set their nets two weeks or a month earlier in the fall, when they would get better prices for their fish. All the fishermen in his district are in favour of it. Quail was about the same as last year. Woodcock reported plentiful on Walpole and around the Sny. Snipe the usual supply, the Marsh Duck, such as the Mallard, are more plentiful this fall. Blue Bill, Red Head and Canvas Back are here in abundance. He would recommend shooting only four days in the week, and charging a small fee, most of the sportsmen in his district are in favour of it.

Overseer Henry Osborne, of Dante, reports that the catch so far as the reports to hand are concerned show a falling off this year over 1908, owing to the ice in the river. It was late before there was any fishing done, which may in part account for the falling off. The fishing laws are fairly well observed; there is an Indian Reserve in his district and the Indians sometimes put in their nets before getting licenses, but are always willing to pay the licenses. There had been some alleged

cases of illegal fishing reported to him, but an investigation failed to find any truth in the reports. There are no dams or anything to obstruct the free run of the fish.

Overseer Theodore Peltier, of Dover South, reports the following for the year ending October 31st. He finds that the catch of fish has been exceptionally good, indicating that the fish have been more plentiful this season than for some years past. The close season has been well observed, with no violations, so far as he knows. There were a few violations of the shipping regulations during the season, which were prosecuted. Game in this district is very scarce, with the exception of wild ducks, which seem to be quite plentiful. Close watch has been kept, and no violations of the close season have been observed.

Lake Erie and Grand River.

Overseer T. J. Briggs, of Bridgeburg, reports that the angling has been very poor in the river at this end of the lake, he cannot tell why or give any reason for the poor fishing. He thinks the frogs should be protected in this county and the Americans be made to pay a license to hunt them in the County of Welland, for the Americans make a good living hunting frogs here.

One fish trap was set on a farm for the purpose of catching fish in the spring of the year; going up the Government ditch the trap was seized and the dam torn away. In Millar's Creek, near the Niagara River, he seized one purse seine. These seines are used at night by pot hunters and river pirates. They catch at each haul from 50 to 300 pounds of fish called Blue Pike in the spring in Niagara River. Three men fishing with seine in Deep Hole ran out into the water and rowed for Buffalo. Their seine got caught in some spokes, and it was captured in daylight and destroyed when dry enough to burn, it was burned two days after on the market square, in public. On 21st day of May, at 2 p.m., he and two deputies ran on some men fishing with seine near Fort Erie, captured the seine and the men escaped to Buffalo. On May the 21st at 1 a.m. seized two spears from three men who were fishing with jack lights in Mill Race near Fort Erie and fined them each $2.00 for violating the law. On June 5th, a party fishing with seine got out in a boat and let the seine go, and he brought it ashore and put it on board the "Edna Ivan," for Mr. Holden to destroy.

On Sunday, July 25th, while patrolling with motor boat on Lake Erie near Old Fort, he seized a rowboat with two men in it fishing without angling permits; five days later the boat was sold. On September 25th he patrolled with motor boat "Game Bird," and fined three fellows for fishing without angling permits near Black Creek out of an old boat in Canadian Waters.

On Sunday, October 3rd, he seized one single barrel shotgun from three Italians hunting near Shipyard or Niagara Junction.

Overseer H. A. Henderson, of Pelee Island, reports that during the past ten months the catch of fish has been very light; the same conditions exist as of late years, that is, the fishing industry is not so vigorously prosecuted. No pound nets are now being fished in this district, and the fall run of fish does not commence until November. The season of angling was fairly good. Many availed themselves of this exciting sport. The condition of the weather was unfavourable to some extent. No abuses exist in his district and no illegal fishing has come to his notice. The game is very scarce in that district; for some reason the quail are not doing well; black

and grey squirrels are not increasing as would be expected. The pheasants are, however, increasing and local sports are of the opinion that the pheasants are running the quail out, and this may be so, for since the advent of pheasants there the quail seem to have been gradually decreasing. Bevies of from 20 to 35 were common; now 5 to 1 dozen are the most seen. The game laws are strictly observed, in this he is assisted by the sportsmen themselves, and no pot-hunting or illegal devices are tolerated.

Overseer Henry Johnson, of Brantford, reports that the fishing in his division is about the same as last year, all but coarse fish which is not as good as last year. Bass and pickerel and trout about the same. There seems to be lots of small bass in the river. He has had some complaints which he investigated and there have been five fines for illegal fishing and eight for Sunday fishing. With the assistance of the new Deputy Game and Fishery Wardens and the telephone in the county it will be hard work to do much illegal fishing and hunting. He would be pleased to see proper slides in the dams in his division as it is impossible for fish to come up in the condition they are in. Black and grey squirrels are more plentiful than last year and also quails and plenty of rabbits. He wants to congratulate the Department on the success of the hatchery here; the amount of young bass taken from the pond more than exceeded his expectations.

What the Department lacks in quantity they have gained in experience and he is fully convinced that with the experience and under the able superintendency of Mr. Edwards the output next year will be increased by many thousands.

Overseer Edward Lee, of Low Banks, reports as follows:—The catch of Whitefish by tug fishermen out of Port Maitland shows a marked decrease as compared with 1908; Herring a large increase over the last five or six years; Blue Pickerel are as plentiful as ever; Pickerel (dore) about same as last season, also a slight increase in the catch of perch. The Whitefish taken by pound nets about same as last year; an increase in Pickerel (dore), Herring and Perch. Pickerel (Blue), better than last year, a decrease in Sturgeon and Caviare. Coarse fish about same as last report, with exception of Carp on the increase, and very few taken; nets damaged much by storms. Quail and Partridge are reported more numerous. Squirrels owing to the clearing up of land are becoming scarce. Cotton Tail Rabbits plentiful. Not so many Hares or White Rabbits, which are only found in some of the marshy districts. Wild Ducks reported numerous; while the usual numbers of Wild Geese are seen each spring and fall, very few are shot. Woodcock not numerous, but still found in some localities, and less Golden Plover seen of late years. Muskrats quite plentiful, and an occasional Mink. About 95 per cent. of the fish caught in his division are shipped to the United States, the balance used for local and home consumption. No abuses exist. The close seasons have been well observed by licensed fishermen, and nothing irregular except some minor matters already reported. The game laws have been well observed by local sportsmen, non-residents having very little regard for same.

Overseer Kenneth McClennan, of Grovesend, reports that he has observed that during this season the fish have been quite plentiful in comparison with the catch of last season, and the time when the fishermen look for the largest hauls is yet to come. The frequent storms on the lake such as have not been seen for years, have interfered with the fishing considerably during this, their busiest season. The fisher-

men of Pt. Bruce were unable to get out when there was a better season, on account of the water in the harbour being so shallow. The quality of fish caught has been exceptionally good this year. The close season as well as all Fishery Laws were well observed, only one case of illegal fishing coming to my notice. That was a hoop net being fished in the Otter Creek, the net was confiscated and shipped to the Department, the party operating it was not discovered, he heard of a great many complaints from farmers for not being allowed to catch coarse fish such as suckers and mullet, for their own use in streams which flow through or near their own property.

The Game Laws were also well observed. Black squirrel, about the only game in his district, were very numerous this season.

Lake Ontario and Bay of Quinte.

Overseer David Conger, of West Lake, reports that the catch of whitefish and salmon trout has been good this year; they have increased about 20 per cent. over last year. Angling has not been as good as last year on account of so many coarse fish in the Lakes. He seized about fifteen hundred yards of gill nets in the waters of East and West Lake which he sent to Capt. A. Hunter, of Belleville, but could not find the owner of the nets. He has been over his territory on different occasions and is satisfied that the licensed fishermen observed the laws. Re game, there was any amount of ducks in East and West Lake in the spring of the year and in the fall of the year. Muskrats are very plentiful, trappers got as high as forty-three cents for their skins. Partridge are very scarce. Black squirrels are increasing. The game laws have been well observed.

Overseer P. W. Dafoe, of Napanee, reports that having been appointed Overseer in March last he cannot speak of the catch in former years, but from all he can learn from the fishermen and as he inspected in that town thirty or forty barrels per day in the good runs, he thinks fishing was better than former years. Over three-quarters were exported, the price was so high in the American market little was consumed at home.

No violations of the Act have come to his knowledge, though he has made several midnight searches. The law has been well looked after. His trying time is in the spring when the pickerel come up the falls in the town and can go no farther, and boys kill them with sticks and stones. In former years there was bad work there. He has a plan that he thinks will stop all abuse in the future.

Salmon River has a greater flow of water than the Napanee River and is much more productive of fish; its source is at the foot of Missoga Lake, its mouth near Point Ann, Bay of Quinte, having a run of about one hundred miles through numerous lakes all well stocked with pike, pickerel, bass and nearly all the coarse fish. On his first trip up the river he found at Kingsford, western boundary of the township of Richmond, dams gone, mills burned, the people grumbling that no fish were below. The cheese factory had dumped a quantity of whey in the river which hurt the fish below. At Forest Mills there are two dams; at the lower dam the fall is eighteen feet. No salmon ever get above the falls. At Roblin there is one dam and he does not think there is a proper fishway on this river, but the sawdust is well looked after. He thinks at Roblin some illegal fishing has been done. He could not get the names but he has set traps.

Lime Lake is some three miles long and half mile wide, and is part of the northern boundary of the township of Richmond and has bass, pickerel, pike and

coarse fish. Many applications come to him for net licenses for the lake and the river, but these are the best angling and trolling waters in that part of Ontario.

Game.—No deer in that part, but they have issued about the usual number of hunters' licenses, but partridges are quite plentiful. On his trip, within gunshot of Forest Mill he saw about forty and near Roblin there are a great many: if such droves of the birds can live so near to a large village the laws must be in force. Trapping is good along the Salmon and he thinks there should be a license for trapping.

Overseer E. R. Fox, of Northport, reports that in the beginning of November 1909, he found parties fishing without a license, and they claimed they had permission for catching some fish for their own use which he stopped at once, and stopped all net fishing as well for close season was over. He proceeded until the spring fishing of hoop nets when he found several fishing across channel and creeks, which they had to remove during the winter. He found one man trapping in muskrat house and laid information to Mr. Hunter and recommended easy settlement if possible, which was done. He commenced to patrol with the "Shark" on the 25th of May up the bay as far as Belleville for supplies for the "Shark."

May 31st he patrolled down the bay, and found one man fishing night-lines, for which he did not know he had to have a license which he procured for him for the month of June. He made some six trips up and down the bay for the Game and Fishery Department. In July he made the same number of trips, but found no fishing, and for the month of August he made eight trips up and down the bay looking for non-resident fishing parties, but found very few anglers without permits and for the month of September patrolled up and down the bay. He dragged several times, but found nothing. The month of October was the hardest month for work as he patrolled over his division some eleven times, measured nets and found them all right. For the opening the season was well observed and also the closing for whitefish, which were very plentiful, but the season was quite short for there was no extension this year for the month of November. He made a seizure of hoop nets.

He says he might first say that the fish seem to all to be very plentiful and on the increase. But for the fishermen, he would suggest that there be no gill net fishing in the spring as the most they catch would be pike and the price is low, from 2½ to 3 cents per pound, and in the fall they are worth 5 cents per pound.

In regard to duck—the black ducks were very plentiful, but not as many fall duck as usual, but he thinks the season opens a little too early. He would say that the open season be not until the 5th of September instead of the first as the duck are very poor and full of pin feathers and not fit to eat. There are plenty of ducks, but partridge scarce but on the increase. He would suggest that there be a heavy fine placed on any one burning the marshes, as the muskrats, when frozen out of houses, have no place to go, and freeze to death, also the duck in the spring have no place to lay and hatch.

Overseer I. Glass, of Trenton, reports that he has only three men in his district holding license to fish hoop nets, no gill nets allowed in his district, except for domestic purposes. The licensed fishermen are apparently obeying the law without any trouble. There was a large number of domestic licenses granted last year, and some of the parties holding them took advantage of the fact of having domestic and caught large numbers of whitefish for commercial purposes. The angling in his district was excellent. Bass, pickerel and maskinonge were very plentiful.

Pickerel go up Trent River in large quantities in the spring to spawn. He has considerable trouble from poachers who catch them with dip nets in the night. Caught several parties and had them fined.

Overseer Henry Holliday, of Wolfe Island, reports that from what he can learn from the fishermen the angling in his district never was better, from about the first of August and September and part of October, but the first part of the season bass not so large, but plentiful and pike very numerous all season. The fishermen observe the law very well in his district. Quite a lot of maskinonge were taken by anglers this year, some very large, and the net fishermen also report a good season, and some good catches. Bullheads plentiful and good size, but the dog fish very numerous. He has seen as many as 17 taken from one net. He thinks they are increasing. He does not hear much about carp. He finds the fishermen willing to observe the law, there only being one small fine in his district, a man fishing with a net for domestic use.

Overseer H. W. Hayes, of Murray, reports that during the year 1909 the fishermen have observed the law with the exception of three men living on the lake shore who fished, but claimed they were informed that it was all right to do so. He notified Capt. Hunter who came up and fined them. Since then he has had no trouble as this was a warning to others. The catch of bullheads was not as large as formerly on account of the heavy west winds which drove them down the bay.

Very few carp were caught. The law was observed in regard to duck shooting in sunken punts being used in his district.

Overseer E. M. Huffman, of Hay Bay, reports that the spring fishing was exceptionally good, but the fishermen report the fish to be scarce this fall so far. Bass were plentiful and a good size, but maskinonge have been scarce, and very few were caught by the tourists this season.

The close season has been well observed for fish. Ducks were very plentiful this spring and were a great temptation to the local sportsman. He had four parties fined for shooting ducks in close season and more would have been if he could have caught them, but they were sly. Muskrats were in abundance and hundreds were caught. No complaints are made and everything seems all right.

Overseer John Johnson, of Port Hope, reports that the laws were well observed by the fishermen in his district. There have been no complaints made to him that the law has been broken, nor has he found any infringement of the law himself. A great many people come to him to know when the open seasons are for fishing and shooting game.

Overseer J. H. Murdock, of Bath, reports that the past season has not been as good as 1908. The weather was unfavourable, there being such high winds the men were unable to lift their nets for two or three days at a time. They are not as well pleased with their catch as last year. The law was fairly well observed in his district. There was very little angling done there. Bass was plentiful. Tourists were fewer there than usual. Game and fur-bearing animals are scarce in his district.

Overseer R. J. Walker, of Port Credit, reports that the game laws have been well observed. To the best of his knowledge, there were no complaints made, either, of

any violations of the game laws. Game is very scarce in that section of the country.

The fishery laws were well observed, both regarding angling and the lake fishing with nets, with the exception of sucker fishing. There were a number of complaints about people fishing with nets, which he investigated, and found that all of the nets used to fish for suckers were a short net fastened to sticks, and the parties had to wade into the water up as far as their waists sometimes. On one occasion he seized a short seining net which was being used to catch suckers, and destroyed the same. He cannot give a report as to the quantity of fish caught, but from the best information he could obtain, it will be on an average with last year. The black bass seemed to be on the increase in the River Credit.

Overseer Frank Worden, of Courtice, reports that fish have been very scarce this season, and it is thought that it is carp that is killing them.

Early in the season the marshes were full of pike, ciscoes, and other small fish, and in June, when the carp came in, the others went out. As for game, ducks are about the only game that is hunted, and they have been most awfully scarce. He has seen them pass over in very large flocks and not stop at the lake front.

Counties Frontenac, Leeds, Prescott, Russell, Carleton, Renfrew, Lanark, Grenville.

Overseer Samuel Andrews, of Micksburg, reports that he has kept a close watch in his division and found less infringements of the Game and Fishery Act than in previous year.

Ten licenses were issued for fishing for coarse fish. A very small quantity of fish were taken by those to whom licenses were issued, as they were fishing merely for their own use. He destroyed two gill nets, which were illegally set, but was unable to find the owners.

Fish are not increasing as they should. He cannot account for this, unless it is the large quantity of suckers that frequent the waters and destroy the spawn of other fish. Partridge are still scarce, but increasing under the wise protection now afforded them, which should be continued for a few years yet. Deer are increasing in this county, and are coming down into the settled parts of the country. There have been no infractions of the game laws brought to his notice this year, and he feels satisfied that the game law is strictly observed, as most of the sportsmen think it their duty to help to protect the game, but there is a tract of country lying between the County of Renfrew and the Algonquin Park, where pot-hunters gather in the fall and forepart of the winter and slaughter a great number of deer. This should be looked after and stopped, as it has been going on for a number of years. It is outside of his territory, therefore he cannot bring them to justice.

Beavers are increasing, and are working their way down the rivers and small streams, further into this county. Muskrat and other small fur-bearing animals are still scarce, but a little better than previous years.

Overseer George Barr, of Harrowsmith, reports that on March 1st he visited dam on Fourteen Island Lake, examined it carefully, and found no fishway; visited again on April 17th, found it still closed and no fishways, and from information he can get there never has been a fishway there, which he considered an injury to the propagation of fish.

He visited Petworth Dam, March 9th, examined the dam as well as possible, found it closed, with no fishways, and says there never was any there. He visited Burned Mill Dam, at the head of First Depot Lake, near the boundary of Portland and Hinchinbrook. He could not tell much about it, as they are repairing it, but he understands there never was a fishway there.

The following are the lakes in his division, with the kinds of fish inhabiting them:

Napanee Lake—Pike, some bass, a few perch, and abundance of catfish.
Pond Lily—The same as Napanee.
First Depot—The same as the Napanee Lake.
Long and Rock—Pickerel, bass, pike, suckers, and catfish.
Silver—Same as Long and Rock Lakes.
Fourteen Island Lake—Bass, pike, pickerel, suckers, and catfish.
Mud Lake, near Murvale—Pike, catfish, and suckers.
Thirteen Island Lake—Pike, suckers, and catfish.
Desert—Salmon, herring, bass, and catfish.
Knowlton—Salmon, a few perch and herring.

He does not think these lakes contain any more than sufficient to supply home consumption; in his opinion, there is none for export. He finds that it is difficult to protect muskrat, as they are much sought after, and slaughtered in and during the months of January and February. He found their houses cut open, and could not find who did it. He thinks that if the shooting of muskrat was prohibited and none allowed to be trapped until the first of March, they would be more numerous, and the pelts more valuable, and the officers would be better able to protect them. There are a few otter around Napanee and Pond Lily Lakes, which he finds very difficult to protect, as he picked up four otter traps which had been set for them, but found no claimant. There are no deer in his locality. Partridge are becoming more plentiful since they have been protected. He has done his best to protect all fish and game during the last ten months.

Overseer W. J. Birch, of Delta, reports that the angling in his division of Upper and Lower Bewdley Lakes the past season was excellent, especially through the months of August and September. There were more large small-mouth black bass taken this season than there has been for years, some weighing as high as four and one-quarter pounds, and many large mouth weighing over five pounds. They never have many tourists, and had less this year than others. Their cottages were all filled, most of the people coming early and staying quite late. He only seized one gill net, about ten rods long, and was unable to find the owner. However, he was successful in having four parties fined in June for spearing, with torch, bass and pike. The fishermen of Upper Bewdley report as good a catch this year as previous years. He must say that the black ducks have been more plentiful here than they have been for years. They are increasing rapidly, while the wood-duck seems to be getting scarcer. Black squirrels have been plentiful this fall, also.

Overseer J. H. Boyd, of Merrickville, reports that the fish have greatly increased in his division in the last year, especially black bass. The people in his district are highly delighted to think the fish are becoming so numerous, and he expects a great many tourists in his district next year. There have been fourteen licenses for dip nets applied for for coarse fish. He has taken a number of trips in his district, and has confiscated seventeen nets. He has fined five men—two for illegal fishing, three for Sunday shooting of duck.

Deer is getting very plentiful, but a number of them have been frightened away by dogs. Ducks quite numerous, partridges getting numerous also. On the whole, the game and fish have greatly increased these last few years.

Overseer George Burke, of Perth, reports that the law has been much better observed in that section this year than formerly. Nevertheless, he obtained six convictions, but went to the borders of his district to do so. The borders need trimming yet.

The increased number of partridges proves the wisdom of the restrictions thereon, and the added restriction this year will do good, and was needed.

Reports indicate that deer in this section are holding their own. The wood-duck will soon be of the past.

The other ducks which breed about there are being carefully protected in their breeding-places and the good result of such protection is already noticeable.

The people are becoming educated to the necessity of observing the game laws, partly owing to their strict enforcement and partly owing to the efforts of the Perth branch of the Ontario Forest, Fish and Game Protective Association. Outsiders frequently give assistance of great value, and otherwise show their sympathy.

Overseer D. E. Burns, of Pembroke, reports that he has issued six licenses for fishing and one for hunting deer. He did not issue any angling permits, as there was none called for this season. The catch of fish in his district was fairly good this season. There have been no violations of the law, so far as he is informed.

Overseer H. N. Covell, of Lombardy, reports that there has been no fishing in his district, except by farmers living near the lakes, with hook and line. There has been only one license issued in his district, and this was for domestic use only. The angling in Otter Lake has been much better than for a number of years, he thinks, on account of the number of ling the Department has taken from the water of Otter Lake, and he thinks if they could take as many more from those waters there would be a much better class of fish.

The game law has been very well observed in his division. Partridges and black squirrels are increasing. Ducks are scarce this fall.

Overseer J. W. Davis, of Sydenham, reports that fishing with rod and line is increasing in his district. A greater number of foreigners visited Sydenham this summer than any year previous. There are a number of lakes in the Township of Loughborough that could be stocked with game fish, which would pay the Department well for the expense. If pickerel and salmon were put in Sydenham Lake, he is of opinion they would in a few years greatly add to the number of foreign sportsmen, and thereby increase the number of angling permits. Pickerel would do well in Knowlton Lake and Gold Lake. Both of these lakes have salmon trout.

The partridge have greatly increased in his district, thanks to the law preventing the killing of them. He is sorry that the killing of deer was not prohibited for five years in the Townships of Loughborough, Belford, Storrington, and North Crosby.

Overseer W. J. Donaldson, of Donaldson, reports that there has been no license issued in his district during the past year. There has been a greater number of tourists than in past years, and all report satisfactory results by angling. The

law in this respect appears to have been fairly well observed. There were a few instances where the law was violated by setting nets, the parties being fined in each case. He is pleased to say that the game laws are much better observed than they were in past years. Settlers, as a rule, are becoming educated, and realize the importance of preserving the game.

Re game birds and animals, partridge appear to be getting plentiful, and he believes that prohibiting the killing of them last year has had a very satisfactory result. Ducks of different kinds are also plentiful.

Deer are more plentiful than they have been for a number of years. The discontinuance of settlers' permits to kill deer for their own use is by no means popular with the people residing in localities where permits were issued. He is of the opinion that it would be an improvement to have hunting licenses sold by none excepting overseers, deputy game wardens, and other game and fishery officers. He has good reason to believe that where irresponsible parties are trusted with the selling of these licenses, they sometimes abuse their privileges by carrying a license in their pocket while hunting, without being filled up, and, if not challenged, they are returned to the Department as unsold. He has been advised that in one instance last year a party who was entrusted in this way did not only use a blank license himself, but also provided his friends with them. By entrusting the sale of licenses to officers only, it would enable such officers to know who had obtained licenses and who had not.

Overseer Henry Drew, of Long Lake, reports that it has been a very fine season in his district, as reported by sports. He sold sixty-seven angling permits at Sharbot and Eagle Lakes, and believes the law was well observed. He also thinks it was a good thing to have our overseer appointed residing at Sharbot Lake, as he thinks he will make a good officer. Game is scarce in that vicinity, but he thinks it is on the increase the last two years. He would call the attention of the Department to the matter of herring nets in Eagle Lake. There is abundance of small herring or ciscoes, weighing about three to the pound, and they do not grow any larger. They have been getting licenses of three-inch mesh extension measure, and that is too large for herring; would recommend that it be changed to one and one-half inch mesh, as he has never seen any other kind of fish taken in herring nets.

Game and Fishery Overseer H. Esford, of Barriefield, reports that as to fishing in his waters there has been a good catch, and the fishermen have done fairly well. Bullheads are plenty and bass are increasing in the drowned lands very fast; there are plenty of black bass there now, which never was before. Carp are beginning to be caught there, but are small as yet. Dogfish are increasing. They catch them as heavy as twenty pounds. There have been four fishermen fined for violations of the fishery law. Outside of that, the law has been fairly well kept. Fur has been scarcer this season than last season. Muskrats were not so plentiful as last season. Mink are scarce. Ducks have been very scarce in his waters this fall, compared to other years.

Overseer James Fisher, of Sunbury, reports that the fishing in his district has not been better in years. The green and black bass being very plentiful, the tourists catching their limit almost every day, also some good catches of salmon

being reported. The fishermen report catfish and other coarse fish as plentiful as in former years.

Wild ducks are plentiful around there. Partridge and snipe are very scarce, very seldom one being seen.

Muskrats are not nearly so numerous as they used to be. Mink are very scarce. The mill owners observe the law and there is no sawdust or refuse allowed to go in the water.

The close seasons have been well observed. He caught a few fishing without permits, but they were quite willing to buy them. He sold 134 permits besides as many more having them when they came.

Overseer Adam Greene, of Diamond, reports that fish are plentiful this season. Bass and pickerel were plentiful. Pike is hard to catch, they are too well fed, the water abounds with small fish. He would recommend that some means be taken to destroy the suckers. It is a great breeding ground for bass, but the suckers come in millions from the 24th of May up to the 1st of June, and destroy the spawn. He thinks that if there were two weeks open for spearing the latter part of May it would check them.

Overseer William Major, of Woodlawn, reports that the law is well observed in his district. There is very little angling done. He seized two old nets and destroyed them. Pike, pickerel and bullheads are most plentiful. Bass are scarce. Game is scarce. Partridge are very scarce; some duck; not much shooting done here. He had no trouble this year, the law is well observed; no Sunday shooting done.

Overseer J. H. Phillips, of Smith's Falls, as Captain of "Navarch," reports that he took charge of "Navarch" on May 24th, 1909, and has kept constant patrol on the Bay of Quinte waters during the season. He found bass fishing excellent, even better than last year. Tourists all report fishing on the Rideau to be excellent. Illegal fishing was carried on to some extent. He seized about 1500 yards of gill net on the Bay of Quinte, also two row boats, and one row boat was seized near Gananoque. On the 6th of September he seized six sets of hoop nets on the Ottawa River. During the past summer he had nine convictions. He has found the "Navarch" to do excellent work during the season, and has no doubt that its use will have the desired effect of putting a stop to illegal netting. On the 9th of October he seized a gasoline launch at Rideau Ferry, which was being used by a party in hunting ducks. He left the "Navarch" on the 1st of October, and commenced taking out ling from the Rideau and protecting the salmon. Early in the season about 300,000 salmon fry were deposited in Rideau Lakes. The Rideau Lakes are constantly growing in popularity as a holiday resort and fishing ground, and the number of tourists who visit them is increasing every season. About a dozen summer cottages were erected on their shores during the past summer between Portland and Smith's Falls, and the prospects are the next season will see many more built.

Overseer J. C. Raphael, of Mallorytown, reports that the fishing this season has been very good. Pike and maskinonge have been very plentiful. The black bass fishing is not as good as in former years. He thinks if the close season for bass was extended to the first of July it would be better. As late as the first of

July you will find some of them full of spawn. The ducks were very plentiful last spring and there was very little shooting. There are more ducks in the St. Lawrence River this fall than there have been for years and the sportsmen are getting good shooting and if the put puts don't close them out we will have good shooting all fall. He has found no illegal fishing.

Overseer William Spence, of Athens, reports that there is an increase in all fish over previous years. Salmon are more plentiful and black bass are still better and larger. Fishing laws have been well observed, just two cases of illegal fishing with nets. He got seven gill nets this season. The laws in regard to game were well observed. Partridge are more plentiful and there are a great many more ducks than other years. There were few tourists this summer, therefore there were not as many permits sold as in previous years. About three years ago fish were very scarce and he thinks that is one reason for their not coming to the Lake this year, as they don't know they are so plentiful.

Overseer Fred Stanzel, of Carleton Place, reports that he has taken every precaution in regard to the game and fishery laws and has found no person violating, therefore has collected no fines. He cannot say whether there has been an increase or decrease in the different kinds of fish during the past year, as this is his first year. Black bass were scarce in the fore part of the season, but abundantly good during August and September.

Ducks are plentiful in his district this year, and partridge are increasing in number.

Overseer R. B. Storey, of Escott, reports that the fishery laws in his division to date have been well observed as the only fish are suckers, bull-pouts and pickerel, and these are only taken by residents for their own private use. He thinks it would be a very good thing to have a close season, in his division, for frogs, as they are a very good price at the River St. Lawrence, which is only three miles away, and therefore they are becoming quite scarce. The game laws have been well observed; he approves of the extended close season for partridge, as he believes that they are quite scarce throughout the province.

He thinks that it would be a very good thing to have a shorter season for muskrats in his division, say, 15th April to 1st May, owing to the scarcity.

He believes the mere existence of a Fish and Game Overseer in a division is a great protection.

Overseer J. W. Taudvin, of Kingston, reports that he finds that the angling in the St. Lawrence River during the fore part of the season was not very good and during the latter part much better than usual, bass and maskinonge being far more plentiful. In the lower portion of Lake Ontario the bass fishing as a whole was not so good. The season for spawning was very late and very few bass had spawned before the fifteenth of July.

There was a lot of windy weather, which interfered with the anglers and had a lot to do with a smaller catch. All kinds of fish this year were very fat and would not bite as well as usual, showing that they were getting an abundance of food. Bass were very plentiful and never in the history of angling in these waters were there so many small bass seen and caught as there were this year. There is no doubt but the bass are increasing rapidly here.

The anglers were more particular this year as to their catches, and the credit chiefly belongs to the licensed guides. There were not so many non-resident anglers as in former years, and he thinks the Seattle Exposition and automobiling had a good deal to do with that, also some of the Americans who formerly fished in these waters went to our inland waters, where the windy weather would not interfere with them so much, and the angling is equally as good, if not better.

The prospects are bright for a good season next year, and large catches.

The game at the opening of the season was more plentiful than usual, but has not been so good lately owing to the mild weather, but will be good again when the inland waters begin to freeze over.

Overseer H. E. Wartman, of Portsmouth, reports that during the first part of the season bass were not very plentiful, but later there were some good catches of bass, and some very large ones, larger than usual.

The law was well observed in the section, with the exceptions of two or three nets, which were reported but could not be located. Duck shooting is not very good so far, but it is rather early, November and December being our best months for ducks.

Partridge in the north part of his territory are on the increase and quite plentiful; so much for the close season.

Muskrats were quite numerous this year, and he thinks the law was well observed. Would recommend close season until the 1st of March, when the fur is the best.

He would not recommend a close season for mink, as they destroy muskrats and all kinds of game. Last year he caught a mink in a pond killing wild ducks that were too small to fly. Their fur is fine, but they are one of the most destructive animals on game we have.

Overseer J. R. Wight, of Newboro, reports that, with the assistance of guides and hotelmen and the generally sportsmanlike behaviour of tourists, there has been very little illegal fishing in his district during the season of 1909. There was one conviction for catching minnows with a dip-net from a houseboat. The fishing has been very good, both as to bass in the lake near Newboro and as to salmon in Devil and Buck Lakes. The only falling off has been in the case of small-mouthed bass, with which the lakes should at once be restocked, else these may soon be fished out. The netting that has been licensed has been of good service in thinning out to some extent the coarser fish that prey upon those whose preservation is our object.

Two dollars, in his opinion, is a sufficiently high fee for a rod license. While some fish quite a while on it, there are others who remain only a day or so. In this way a reasonable average of time is kept, which is well pays for. The licensing of guides he considers to have been a good move for all parties to whom the matter could be of any interest. The number of tourists at Newboro this summer was considerably in excess of other years, a fact to be attributed to better organization, better accommodation, and better advertising on the part of the hotels, together with the reputation of the place in past years. With every convenience and with means of accessibility possessed by few such places, with such fine fishing, and with the tourists of so many past years advertising it, Newboro should have a pretty big share of the summer trade.

Overseer Hugh Wilson, of Elphin, reports that he had two complaints this year, which were laid before Mr. Taylor, of Perth—one for catching whitefish in November, the other for cutting rat houses. In each case a fine was imposed.

He finds the partridge very plentiful this year. All are satisfied with the game laws in that section.

Overseer F. L. Woermouth, of Arden, reports that he has had a great deal of trouble with mill owners again this year with sawdust and rubbish going into the water. They have had a good number of non-residents again this summer, and he does not know of one instance of any one of them breaking the law. He found a couple of gill nets in the water, which he lifted, but could not find any owner for them; also found one hoop net, but no one would claim it. He only sold one license for guides. In reference to partridge hunting, the law was very well kept. There have been no complaints. The birds are getting quite plentiful again. One of the hotelmen in town has built a large addition to his hotel to accommodate the number of tourists which come to that place. In reference to the issuing of deer hunting license to settlers, as well as people coming in to hunt, he thinks it better than the settlers' permits, as different ones who bought licenses told him it was a good thing, as it kept a great number of young lads out of the woods, and there would not be as many accidents as in former years.

Overseer D. Younghusband, of South March, reports that the ten months just past have been very quiet in that district. The fishing was not very good. The fish caught were pike, suckers, bullheads, perch, sunfish, and a few pickerel (doré), and black bass. The ducks have been very plentiful, and he found no illegal shooting. It has been a good year for muskrats. He had occasion to seize some traps which were set out of season. There are no partridge of any account in that district. The fish and game laws seem to be better respected now than a few years ago.

PETERBOROUGH, NORTHUMBERLAND, VICTORIA, AND OTHER INLAND COUNTIES

Overseer J. R. Boate, of Fowler's Corners, reports that there has been no violation of the game laws that he has heard of.

Ducks have been very plentiful this season.

Bass and maskinonge were plentiful in July and August and part of September.

Muskrat and mink—these fur-bearing animals have been very scarce, owing to high waters in the spring.

Hunting on Sunday is entirely stopped there now. The law has been very well observed in his district.

Overseer William Boler, of Byron, reports that the fishing law was well observed, as well as the game law. No violations came to his notice. He would ask the Department to impose a license fee of $2 per year for carrying a gun. Quail are almost extinct around there; also partridge and black squirrels are becoming scarcer. Fishing was the same as last year.

Overseer A. O. Boynton, of Kirkfield, reports that in this division the fishing and duck shooting gives ample sport to the local citizens, but none make a business of either, and all seem anxious to see the law to protect both game and fish

enforced. No fishing licenses were sold, as tourists all pass through this section to either of the lakes—Simcoe to the west, or Balsam to the east. The ducks seem to be more plentiful here this year than for a number of years previous. Muskrats are decreasing rapidly, there being not half the number taken by trappers during the month of April of 1909 as there were in the same month of 1908.

Partridge—Since protection has been given to these splendid game birds they are becoming quite numerous, which all are pleased to note.

An occasional deer is seen wandering through this division during the summer or early fall, but they do not seem to make this a stopping place.

Mink are to be had along the waters of this district, but are quickly called upon to surrender their lives for the valuable fur at all times. He thinks it would be wise to give these little animals some protection. He thinks the law has been well observed, although a great many take all the good they can get out of both fish and game as far as the law allows.

Overseer A. Bradshaw, of Lindsay, reports that the catch of maskinonge was not as large this season as it was last year. This was owing to the high water in Sturgeon Lake and Scugog River, below Lindsay, the water during the angling season being so high that the fish were able to keep in the marshes and weedy places, where trolling could not be done; but some very large 'lunge were caught. Fish of twenty pounds were caught during the summer. Bass were caught in large numbers, and anglers had no reason to complain. The spawning season was windy, and the fish did not suffer while on their spawning grounds. In Scugog Lake bass were very plentiful, and a larger class of maskinonge were caught there than had been for many years, and the water has kept high there all summer, and this is what is required to make Scugog Lake what it used to be—first-class fishing grounds. Frogs, in his opinion, should be protected for three years in all the waters of the Trent Canal, and in their banding season at all times, as is done in the County of Victoria. If frogs were so protected in this way they would be of great value to the people who catch them, and also be a valuable asset to the Province. Partridge—It is pleasing to know, from authentic sources, that the timely protection given these noble game birds is having the desired effect. Ducks were to be had in large numbers, and good shooting was in order. Sportsmen seemed well satisfied. Shore birds and waders are also on the increase. Owing to low water during last winter, muskrats were not as plentiful last April as they were in the same month last year. When the muskrats built their winter quarters in the fall the water was up to its normal height, but during the winter it became so low that the muskrats' houses were left high and dry. This prevented the muskrats from getting their food supply from the water, which is lily roots and other water plants, and the animals had to leave their houses in order to find food elsewhere. Under such conditions, the catch of muskrats was not as large as usual, but prices were higher, and trappers had no reason to complain of their season's catch. Mink are getting scarcer every year, and trappers are desirous of having them protected. The law was fairly well observed in that section. Only two breaches came to his knowledge upon which he could take action—a case of killing a maskinonge and a breach of the Bird Act of 1897—and these he had before County Police Magistrate F. D. Moore, K.C. A fine was imposed in both cases, and the matter reported to the Department at the time. Mill owners and others gave no trouble during the year. The new locks and dam at Lindsay are under construction, but will not be completed this year. The

old fishway in the dam has been removed, as no provision was made for a new one in the plan of construction, as it is believed that the fish will be enabled to ascend to the upper waters through the locks when locking boats through, which will likely be very often, as there are a large number of launches and other small boats, which will be going up and down very often during the time that the fish are running in the spring. The protective steamer "Naiad" visited Lindsay. Capt. Carson and his crew take a great interest in enforcing the law. That duty is faithfully done, and no doubt but the presence of "Naiad" will have a deterrent effect, and prevent evil-disposed persons attempting illegal acts, which their nature might suggest. He would respectfully suggest that the following amendments be added to the Game and Fisheries Act, which he believes are required for the better protection of the game and fish:

(*a*) That only one-half of the numbers of bass and maskinonge which are now allowed to be taken by one person in a day be permitted.

(*b*) Winter fishing through the ice or otherwise be not allowed.

(*c*) That the present open trolling season be the only time that bass and maskinonge can be lawfully caught.

(*d*) That frogs be protected in all the waters of the Trent Canal, and in their banding season at all times, and a close season of say, three years at least.

(*e*) That mink be protected from the 1st of May to the 1st of November in each year.

(*f*) That muskrats be only allowed to be taken in the month of April in each year.

(*g*) That no artificial light be allowed to be used in hunting or catching any game animal or bird protected by the Game and Fisheries Act.

Overseer Chris. Burtcheall, of Coboconk, reports that the fishing in the first part of the open season was not very good, but it was better later on, and it was good to the last. In the beginning some of the tourists were not satisfied, but were greatly pleased at the end over the great lunge they were catching. There do not seem to be very many ducks this fall in his division, and there are not very many partridge around there, and what few there are it seems hard to keep protected. He finds it quite difficult to watch that they are not killed, and he thinks if the close season were extended for a year or two longer they would soon increase.

In regard to deer, they seem to be very scarce around there, and he does not think they are so plentiful anywhere, as there are a great many killed every fall. A number of the settlers are annoyed at the idea of having to pay for a license, but it is a fine thing, as it puts them all on an even footing. They were not satisfied before when some had to pay $2 for a license and some would hunt for 25 cents. Now, when all are used alike, they are not satisfied. There does not seem to be very many small fur-bearing animals around there at present. He thinks the mink ought to be protected, as they are scarce. He also thinks it would be a good plan to have the city tourists pay for an angling permit, the same as non-residents.

Overseer J. D. Campbell, of Sylvan, reports that the fishing has been on an average with former years, excepting whitefish, as the fishermen all report decrease in their catch. The law has been well observed, excepting in one or two cases. There were no fines imposed. As for the game, there is a scarcity of most

all kinds excepting duck, which are quite plentiful in the District of Lake Smith, Grand Bend, and Port Franks, bordering on Lake Huron.

There is one dam on the Aux Sauble River at Rock Glen, near Arkona, and there are a great many complaints from the people living above the said dam of there not being a proper fishway, as very few fish frequent the water above the said dam.

Overseer T. C. Caskey, of Blairton, reports that a number of tourists visited Belmont Lake. Clear Lake has an abundance of bass, but small. Twin Lake and Deer Lake, bass. Belmont Lake and Crow Lake, bass, maskinonge, and catfish.

During the past season he has received no money for permits, as tourists secure these at Toronto, Cobourg, and different points before arriving there. He has not found any person guilty of breaking the law during the past season.

Overseer C. H. Cassan, of Campbellford, reports that the first of the season fishing was very good—that is, the 'lunge fishing—and the 'lunge this year are larger than last year; and he thinks there should be something done in the way of stocking the waters, as the Americans were disappointed in the black bass fishing. There seems to be more of the yellow bass, as they are just beginning to come again, as the hoop-nets pretty nearly cleaned the river of the yellow bass. Between Hastings and Healey Falls this spring the water was pretty high, and the 'lunge and bass had spawned, and there had been a contract let, and the waters were lowered for about three or four weeks, and you could go along the shores and see the spawn lying on logs, dying. He thinks this will hurt the fishing quite a lot in a year or so if the river is not stocked. It also was a bad thing for the ducks, as they had made their nests while the water was low, and after the water rose again it drove them off their nests, and the ducks were very scarce there this year. He thinks that the guide's license has been a good thing, and he would recommend it again, but the fee is high enough. He thinks if the fee was $1 it would do just as much good, and there would be more sold, as some of those fellows do not care to pay $2 when they only get work for about a week or so. He would recommend hatcheries for bass, as they must do something to stock the waters; and if they could keep lots of bass in the water, the revenue would be a great deal better. If there is good fishing, there will be increased revenue. He would also recommend a close season for frogs.

Overseer William Clarkson, of Lakehurst, reports that the bass and maskinonge have been very plentiful, anglers having no difficulty in securing the limit allowed. The fishermen report the catch of salmon trout up to the average. Ducks are as plentiful as usual; also partridge are getting very numerous. The tourist trade has increased fully 30 per cent. The fishery regulations and close seasons were well observed. No abuses exist in his district. The mill owners observe the law well.

Overseer Alexander Clunis, of Claude, reports that the fish, especially the brook trout, want a close season, like our partridge are now getting. He feels sure it would allow them to become more plentiful. Our streams must be restocked, or otherwise a few years will make our speckled beauties extinct about here.

For the last two years there was quite a lot of hard feeling about the close season for black squirrel and partridge by our local sports, but this year they see the benefit, as black squirrel are running about all over, in the village gardens, and

partridge are quite numerous in the woods; but he is glad they are still protected, for this year they will get a start on the hunters now.

In regard to the close season he says they are well kept. He has no reason to complain at all.

Overseer William Collins, of Strathroy, reports that there is one sawmill on that stream, but the owners do not let their sawdust into it. The catch of fish was good this season. The anglers have had a good season. One man and his son caught one hundred and seventy pike and pickerel. This season there is not many bass got here, but the carp are in abundance. The quail have had a good season. The weather was fine for them. There are a good many partridge in the swamps if they are let alone, and there are a good many woodcocks, and squirrels are abundant.

Overseer Arthur Corsant, of Masonville, reports that in his district there are no licenses issued. The fish caught in his division were mostly suckers and rock bass. There were not so many black bass caught this season. He notices a decided decrease in speckled trout in his district. He would recommend that the catching of trout be prohibited for a period of two years, as the streams have been overfished from what he can learn, and from his own knowledge the total catch in his division would not exceed 2,000 pounds. There is an improvement in the fishways in his division since his last report. He would recommend that the Government compel mill owners to construct proper fishways. The only game in his division are rabbits, muskrats, black squirrels and a very few partridges. The closing of this year against shooting of partridge was a good act, and he thinks if it was for two or three years it would be better. The close seasons have been very well observed. Only one violation of the Fisheries law came to his knowledge, that was catching bass under size.

Overseer J. A. Cunningham, of Mamooth, reports that the catch for the season of speckled trout was about 1000 lbs., owing to Lake St. Peter being prohibited there was a slight decrease. The catch of grey trout was about 500 lbs. No abuses exist that he knows of. No fishways in his district. Partridge are doing well under the two years' protection. Deer were not so plentiful as in 1908. Owing to the large destruction by wolves last winter he made two trips to the Big Opeongo Lake in Algonquin Park; there he saw wolf tracks in every quarter, and as people are not allowed to carry rifles or use poison he soon discovered the cause of the trouble with the wolves in the upper section of this district. Wolves in the park, as well as other animals, increase rapidly, and he understands there are 22 Townships. He asks if it is any wonder that those brutes are coming down here in packs every winter destroying the deer and the settlers' sheep and calves. He would offer the suggestion that the Park Rangers be authorized to destroy those animals in whatever way they can without bounty, and until that is done those ravages here will continue.

Overseer Edward Fleming, of Hastings, reports that the fish were in the marshes last spring as early as usual, and he is certain there were not any fish speared below Hastings, on the Trent River to the Narrows, about nine miles down.

In Hastings the law was well observed; there are no nets allowed in the river and he thinks it is a good Act, for the lunge and bass are more plentiful and much

larger than before. There has been some very fine catches this summer, and in general the law was well observed.

Overseer James Gillespie, of Berkeley, reports that, as stated last year, his duties are more particularly confined to the prevention of netting speckled trout in the small lakes and streams in the district, and seeing that the close season is observed. He has every reason to believe that the law is being fairly well observed, no cases of a violation having come to his notice, the people are aware that they will be looked after if they break the law.

Some of the anglers claim that the close season should be changed, so as to begin September the 1st and end April 14th, claiming that more spawn is destroyed in September than would be in April. No angling permits were sold by him and none were called for. He believes the close season for game has been fairly well observed. The notices from the Department were as usual distributed through the district and were posted up so that most people knew the law. Partridge are getting more plentiful and he has not heard of any break of the law with regard to them, the people seem to approve of the law protecting them for another year. A few deer are reported as being seen in this district this year, and many sportsmen think that the killing of them should be prohibited in that county for a couple of years at least. Beaver are getting more plentiful and in some cases have become a nuisance by backing the water up and flooding the land. He is yet of the opinion that a great deal of harm is done to hares in the spring of the year, by running them sometimes for the whole day. He is not aware of any fishway in his district, nor has he heard of the pollution of any stream by sawdust or mill rubbish.

Overseer F. H. Heneilley, of Warkworth, reports that the fishing during the past season in his division from what he can learn from different sources there has been a decided improvement. As all fishing in his district is done by angling, he would ascribe the cause of such improvement to be, first, the abolishing of the use of nets; secondly, the better observance of the law in regard to jack light fishing.

All fish are used by the parties who catch them. No abuses exist in his district. The close seasons have been well observed. He has impressed upon the people the object and need of obeying the law and by so doing has been able to obtain a good observance of the law. No violations of the law came to his knowledge. Mill owners have obeyed the law and he would advise that no mill refuse of any kind be dumped into the river. The fish have a free passage, no fishways in his district.

Overseer J. H. Hess, of Hastings, reports that the law has been well observed in his division from Rice Lake to Trent Bridge, and the fishing has been very good, and a fine quality of fish, particularly maskinonge, and visitors who come to fish report very good fishing. As to game the law, as far as he can learn, has been well observed, and partridge are getting quite numerous now, and he would strongly advise the killing of partridge to be prohibited for a longer period.

Overseer George Hood, Sr., of Scugog, reports that there were a number of maskinonge caught on the west side of Scugog Island this season, some of them weighing as much as 17 pounds, some 10 pounds, while others were smaller.

They are coming back into the lake slowly. If the lake can be kept up to high water mark, and the fish carefully watched there will be plenty of them in another year. The bass are more numerous. The laws in regard to fishing have been well observed.

Ducks are very plentiful this fall. There are lots of hunters around, and they seem very well pleased that the law is being properly carried out.

He has examined the hides and seen to it that they are not placed too far out in the lake.

There has been no illegal work going on.

Partridge are very scarce in this section. They should be protected for a few years longer.

Muskrats are very plentiful and busy building their houses for the winter.

He will see to it that the law is carried out.

He has not sold any licenses this season. There are no American tourists around there.

Overseer Jas. Howell, of Bancroft, reports that there are no fishing licenses issued in his district, and no fishing done except by settlers for their own use. There are no fish exported. The close season has been well observed. He has visited the different lakes several times during close season. No violations of the Act came to his notice, with the exception of one case. The Act respecting mill refuse was well observed. There are no fishways in his district. He would recommend that Baptiste and L'Amable Lakes be closed the first of October instead of the first of November, as he finds that the fish in those lakes do their spawning in October.

As regards game, he finds that partridge are greatly on the increase in his division. Muskrats are also reported to be on the increase in Baptiste Lake, but there is little or no trapping being done for them.

Overseer Charles Tickling, St. Paul's Station, reports that speckled trout are very scarce in some of our streams. He heard a report of 10,000 trout fry having been sent to Embro to be placed in Harrington Mill Pond, and here is how it was done. They stayed there all night and were brought up by the mail carrier and were given to some boys to empty into the pond. He was told by parties who saw these that they all lay dead in the bottom of the pond. He hopes if ever there are more to be sent, that a more reliable person will be sent to look after them.

Black bass were very scarce last fall and this summer. The water being low they were very nearly fished out, as not many have been caught this summer in the River Thames. In William Skiner's pond on Trout Creek, they are quite plentiful. He went up twice in spawning season and once after spawn was hatched. It would make a sportsman smile to see all the little spawn that were hatched, and the farmers for five or six miles along the stream have notices up prohibiting the fishing altogether. He thinks the laws are being fairly well observed.

Partridge appear to be very scarce; he has two or three reports from reliable parties of finding them under trees dead in the month of March. He himself came across one. It appears that there must be some disease amongst them. The one he found he examined closely and came to the conclusion it was like cholera among fowl. Black squirrels, also grey squirrels, seem to be rather on the increase. Hare seem to be very scarce, but the cotton tail rabbits are numerous in

some sections. Muskrats are also numerous in places. He has been approached by a number of the local trappers to recommend no shooting of muskrats.

Overseer Thomas H. Johnston, of Royston, reports that fishing on the Magnetawan and lakes around there has been good. Some tourists told him they could catch all they wanted; others there are who kick, and say the fee they pay should go to restock the waters. Well, there are always kickers, but certainly he thinks trout spawn should go into Horn Lake. It is situated on the north boundary of Ryerson; it is a clear spring lake, you could see bottom in deep water; it is so clear it is the natural home of the trout; some fine ones have been caught in it, but fishing for thirty years has cleaned it out. During the past season the law has been well observed there. Partridge, before the close season, were nearly extinct. Quite a few families of beaver are noticeable. The cold and late spring was very hard on the deer, as they sometimes drop their young on the snow, and many perish in this way. He thinks the permits should be issued to the settler in order to locate him, to know that he is one. Dogs should be prohibited from running deer.

Overseer David Jones, of Welland, reports that the fishing in the early part of the spring and summer was up to the average and bass were fairly good, pickerel fair. Angling fairly good; up to the latter part of October the closed season was well observed. He looked frequently after the net fishermen and found that they lived up to the law. Seized one net, and got one conviction. Partridges are more plentiful than for some years and the law is fairly observed and nothing irregular except minor matters has occurred.

Overseer A. J. Kent, of Bewdley, reports that, as his appointment took place last April, he can only give a report of the past six months, or a little better; however, he is pleased to state that the close season for fish was very well observed in his division; in fact, it was considered very risky to attempt killing any fish as the territory was pretty well worked. The fishing was not very good this past season. They had considerable high winds which was partly the reason, and it is his opinion that muskinonge and bass are getting scarce in Rice Lake. The fish in the Otonabee River should have better protection. Muskrats were very plentiful last spring at that end of the lake, and he would suggest that trappers pay a license of two dollars. There are a number of trappers in and around Bewdley, also a few who carry traps in their canoes for an excuse, but he is of the opinion that they are not set very often, and if a license were put on, it would do away with those make-believe trappers, and make it easier for the overseer.

Duck shooting has been very good this season, better than it has been for some time.

Black squirrels are plentiful, but partridge are scarce. There is only one sawmill in his division; no mill refuse has been dumped into the water.

In conclusion he adds that Mr. John McAllister, overseer at Gore's Landing, and himself worked together harmoniously, each going on the other's territory, and they will be pleased to do the very same next season.

Overseer Jacob F. Kern, of Burford, reports that the fishing in the creek north of that village has not been as good as usual. Bass seem scarce and pike is about the only large-sized fish found. Around Scotland the fishing has been good and

the Cooley pond seems to be practically exhausted. As far as game is concerned, there are a few grouse and partridge, but they are scarce; rabbits are very plentiful. Muskrats are doing much damage to mill dams, being exceedingly numerous. Squirrels seem to be plentiful. As far as violations are concerned, he has none to report. He has investigated every point periodically, and when around could find no cause for complaint.

Overseer Newton Langford, of Dorset, reports that last season the number of fishing parties were more than usual, but the fishing was fairly good. They are getting things in very good shape there now. In many small lakes the fish are becoming more plentiful and in a few years they will have better fishing all over this part. They have a few outlaws there that are hard to catch.

Overseer Wellington Lean, of Apsley, reports that he has visited lakes and portions of country where game may be found in his district at different times during the year, and found no illegal fishing or hunting. Fishing was not as good in his district as in former years. Bass were very scarce, especially in Loon Lake. He would like to again call attention to the stocking of Crab and Wolfe Lakes with bass and trout. These lakes would make admirable summer resorts, and thus open up new fields for tourists and sportsmen.

Partridge are very plentiful this fall, and very few are being killed so in a short time they will be as numerous as in former years. Deer are getting very scarce here. He has been through the woods a number of times this summer and has seen only a few tracks or other signs of them being around.

Beaver are getting quite numerous around some of the lakes. He found two traps which he thought were set for beaver; these he took and reported to the Department, and he has the traps yet.

Overseer J. R. McAllister, of Gore's Landing, reports that the fishing has been very poor for some reason; in fact, there were not half the number of maskinonge taken this year that was taken last year, and none of the old fishermen can account for it, as the fish are quite plentiful.

The law has been well observed in Rice Lake, but he understands that there has been some bad poachers at work up the Otonabee River and the harm is done mostly by people from Peterboro with gill nets. He got one gill net in Otonabee River, but he did not know who set it.

Ducks are quite plentiful and he has not seen or heard of any person killing any game or fur-bearing animals out of season. But he is sorry to say that those who call themselves duck hunters and sports, are building blinds and shooting over decoys out of same, not on his division, but on the north side of Rice Lake east of Hiawatha, in all the rice beds. He was down the lake yesterday and he destroyed two blinds, one was half a mile, and the other a quarter of a mile from the shore. None of the overseers there try to stop this, so he is told, and those who keep within the law come to him and want him to go on this other overseer's division and try and have some of the offenders fined; it makes it very disagreeable for him. He wishes that catching frogs in the rice beds by those large lamps was stopped. He saw two of these going up and down the rice bed on Monday night the 1st of November, and they are every night at this time of the year. It drives the ducks all away, so that they cannot feed at night in the rice beds, where they always want to feed at night.

Overseer A. W. McIntyre, of Keene, reports that there was a good catch of fish this season in his division, but he can give no account of what was caught as the fishing was done by local men chiefly. He thinks there was an increase over last year. They were nearly all consumed in the neighborhood. He had no infractions of the law to report. There are no dams in his district with fishways in and he thinks there is no need for them as there are as many fish above as below the dams in the Indian River. There is no mill refuse dumped in the water in his division.

Overseer Enoch Merriam, of Harwood, reports that the fishing was not as good in Rice Lake this past summer as it was other years. The water was about twenty inches higher than he ever knew it to be, and many of the old weed beds that served as a guide to fish along never came to the top of the water, and he is of the opinion that the fish were more scattered than when the water was much lower in the lake. The weather was very rough and a good many days the fishermen had to stop on shore, and as Rice Lake is very shallow, only about 12 feet on an average, and of mud bottom, it becomes so muddy after a storm that it takes some time to settle down again so that the fish can see a bait. The minnows were very plentiful out everywhere on the deepest water, and he thinks this supply of food for the large fish helps to spoil the sport of anglers. The water was of a good height last spring, so that there was no spawn wasted and the fish were as plentiful in the marshes as ever they were. The muskrats were very thick and are becoming more plentiful every year. Partridges are very scarce around there, owing to the fact that there is not much wood for them to hatch in. Ducks were in great quantity last spring and stopped with them till the middle of May, but there is not as many fall duck in yet as last year; it is a little early for them at this present date, October 30th. The shooting is not good, as you cannot get at them, since you cannot shoot from the rice beds over decoys. He has not seen any traps set for the muskrat and they are putting up their camps for the winter. The close seasons have been well observed, with the exception of one Indian. He was caught trolling; he had no fish. He took his line and bait and got out a summons for him to appear in court, but instead he left and went to some part unknown to him as yet.

Overseer F. J. Moore, of Lakefield, reports that as regards the Fisheries, the law has been well observed in his district this season. He had a few cases in the spring with the settlers, but let them off with a warning, which had a good effect. He had one party fined for killing maskinonge in the spring.

Tourists have had fairly good luck with rod and spoon this year, particularly bass fishing; maskinonge has not been so plentiful. He would again strongly recommend that Stony Lake be restocked with parent bass, if they could be got, as it is of great importance that the fish supply be kept up. Stony Lake is becoming a great summer resort for tourists who come from all parts of the United States to spend their holidays. He does not think they would mind paying more for their permits if the fishing was good.

He has issued over two hundred fishing permits this year, and there are also a number of Americans come here who get their permits on the way over, so that these people, with the people of our own Province, use quite a supply of fish. He thinks it would be a good idea, if possible, to have arrangements made with

the Dominion Government, in regard to the rising and falling of the water in Stony Lake, in the spring, as a great part of the spawn is lost through the water falling. He has issued about thirty-four guides' licenses and thinks this is a great protection to the fish. He has also issued two minnow licenses. He would recommend that the close season for bass and maskinonge be from the 1st of April instead of the 15th of April, as these fish run immediately after the ice disappears.

The law in regard to deer hunting this season has been well observed. Hunters and trappers have had a fairly good year. Ducks are not very plentiful in his district. Partridge are more plentiful since the shooting and sale of these birds has been prohibited. Trappers seem to have had good luck this year catching muskrats. Mink is becoming very scarce in this locality and if they are not protected in some way, before long they will be a thing of the past. He would suggest that a close season be put on them as their fur is very valuable, and also when trappers are trapping mink they are apt to kill rats before the season opens for these animals.

Overseer J. W. Morton, of St. Ola, reports that the fishing in his district has been some better than previous years, as near as he can ascertain.

He sold more angling permits this year to Americans than last. No net licenses were taken out. The principal fish in these waters are salmon trout, black bass and mud cats.

The close season for fish and game was well observed as far as he had any knowledge, and no violations, and consequently, no fines imposed. There are no fishways in his division. Ducks are scarce, but partridge are more plentiful than for a number of years; no wild geese stay in these waters, at least he has not heard of any this year.

There are lots of red squirrels, deer and numerous bears; foxes are not very plentiful.

Overseer James Myers, of Orchard, reports that there has been no change that he can learn of; the catch was about the same as last year, fairly good. No fish sold, all used at home, as the chief fish are trout and bass in his district. No abuses that he knows of. The close seasons are well observed; he has kept a close watch as to this, regarding both the game and fish. No violations of the Act came to his notice except one man was fined for fishing on a reserve of the Mount Forest Club. No sawdust or other refuse is put into the water where fish are. Two fishways in fair repair in his district. He thinks that fish are more plentiful and larger above the dam than below in some places where there is no fishway.

Game is getting more plentiful in his district; the red deer are coming back as several have been seen in Proton Station and some in Egremont lately.

Overseer Henry B. Parker, of Bobcaygeon, reports that fishing during the past season was good. In the first part of the season it was an easy matter for the guides to bring in their number every day, but the latter part of the season was not so good, the only reason he can give being the very high water. The catch in both maskinonge and bass as to size was good. Tourists who visited there expressed themselves as being much pleased with the fishing. His opinion is that the close season for maskinonge should begin earlier as he has known them to be on their spawning beds on the 1st of April.

Partridge are on the increase, as small flocks are to be seen wherever there is cover for them. Ducks are about the same as in previous years, and some very good bags were taken the first part of the hunt.

Deer are getting scarce, and if the hunting of deer were stopped for three years, there would be once more a number of them. Muskrat are plentiful and great numbers have been taken in the spring trapping. Mink should be given protection, as they are one of the most valuable fur bearers and are becoming very scarce owing to the destruction at all times of the year. Beavers are on the increase as there are a few colonies on the creeks and marshes and if kept protected would multiply very rapidly.

Overseer Chas. W. Parkin, of Valentia, reports that bass are becoming more plentiful. Large numbers of green bass were captured around there this season, but to his knowledge there was not as many maskinonge taken as there was last season. He would suggest that the close season be from December 15th, as that would stop fishing through the ice. There is a party consisting of from eight to twelve men living near this lake that do considerable fishing through the ice, and he was told by two of the party that they took out over six hundred fish last winter. He paid them several visits but found no undersized ones. It is to be regretted that there was not a fishway provided in the new locks at Lindsay and he considers it a great detriment and injustice to this lake. He thinks it would be a good thing if every person wishing to angle was required to carry a permit.

Muskrats were very plentiful last spring and large numbers were taken. He had considerable trouble last winter trying to protect their houses. The water is very high this fall and they seem to be living in the banks and logs as yet; if they remain there they will be more easily protected and will be less liable to lose their lives during the winter. He is very sorry that the valuable little mink have been neglected so long that they are nearly extinct around this lake, and he thinks the taking of them should be prohibited for a number of years and then have a close season for them.

Partridge are very scarce. Ducks are very plentiful, and some good bags have been taken. He knows of a number of Red Heads and Blue Bills which hatched near there this summer. And he never knew them to hatch there before, which goes to show if they receive proper protection during the spring and summer they will not need to go away to nest.

He only sold three fishing licenses this season. Very few Americans come to this lake now, as they prefer to go where they can get more sport for their money. He travelled over his division as often as he thought it was at all necessary, and he is pleased to state that the law has been well observed. The only trouble he had was with the muskrat houses, and they are very hard to protect; however, there were only eight or ten opened in his division. He could not get sufficient proof to make a conviction. He is doing all in his power to protect the fish, song birds and game of every description that make their home around here.

Overseer H. R. Purcell, of Colebrook, reports good bass fishing in the several lakes in his district with the exception of one violation for spearing with a jack light, in which he fined the parties five dollars. Another man he fined twenty dollars for killing deer without a license. Another man skipped the country who was hunting deer without a license. He seized three illegal nets, which he

destroyed, as there is no net fishing allowed in his district, unless for domestic use. He thinks they are very much in need of a hatchery or ponds for the propagation of bass or pickerel as there are several good places along the Bay of Quinte Railway. The number of muskrats caught was not many, on account, he thinks, of low water in drowned lands. His district is composed of Townships of Camden, Sheffield and Kaladar, in County of Addington, and Township of Barrie, in the Electoral District of Addington, County of Frontenac.

Overseer [illegible] *of Hillsburg*, reports that fishing for the past season has been good. The fish in his division are mostly all brook trout and suckers. The Caledon Mountain Trout Co. own or control a portion of the waters here; members of the company from different parts of Ontario, Quebec and the States are here during the fishing season, and a great number of beautiful brook trout are caught and taken away. The same company also have a hatching house and number of small ponds. The manager tells me that they had over 500,000 fry this season; quite a number of the above were sold and went to other parts of Ontario, the remainder were put into streams leading to their ponds. Another pond here is under the control of the Guelph Fishing Club, and they also catch a large quantity of brook trout during the season. There are a few sawmills in his division, and the law regarding the disposition of sawdust, etc., in the waters is well observed. With regard to game, rabbits and foxes are plentiful, but other game is scarce. No deer in that section. He has been over his territory several times during the season, and finds the Game and Fishery Laws have been well observed, not having one complaint during the season.

Overseer C. St. Charles, of Maloe, reports that during the past months of the present year the fishery laws in this district have been very well kept. There have been no convictions and very few complaints.

The fishing in Moira Lake has been fairly good during the past summer. The fishing in this lake is done almost wholly by residents of our village of Maloe and is carried on more for sport of fishing than for gain.

Overseer Neil Sinclair, of Glenarm, reports that there was very little fishing done in his district this season, very few bass or maskinonge being taken. The laws were well observed, no violations of the law were brought to his notice during the year.

Wild ducks were not as plentiful as they have been other years; there are no wild geese on the lake this fall. There are no deer in his district. Muskrat and mink are very scarce.

Overseer John Scott, of Grand Valley, reports that the fishing and game laws have been well observed, he having had no complaints this year. Deer are getting more numerous on account of shooting having been prohibited in Dufferin and Wellington, but his opinion is that deer should be protected in Grey County too.

Overseer William Smith, of Gravenhurst, reports that there has been a good observance of the Game and Fishery Laws in his section, as little or no complaint has been made, and he has been unable to detect any violation of the law. For two months he was on the lakes in the Government patrol boat continuously, and

was in a better position than ever to detect any infringements. The fishing seems to be becoming better. On some of the smaller lakes, splendid catches of bass have been reported, and in his opinion the stringent enforcement of the laws has had a capital effect. The restocking of the lakes a few years ago has also tended to increase the supply. This year two carloads of fingerlings bass were deposited in these waters. These will doubtless, if protected, make a good start for future anglers.

This year for the first time a Government patrol launch has been put upon the waters the effect of this new departure was marked not so much in detecting as in suppressing any tendency to infringement of the law. Most particularly, he states, has this been noticed in regard to foreigners fishing without license. There were six, beside himself, selling permits this year, and they are unanimous in attributing the increased sales to the advent of the launch.

Overseer W. H. Switzer, of Goodsham, reports that the game and fish laws were very well observed in his district. He had some parties up for illegal fishing with a net for suckers without a license, for which, you will find in his June report, they were tried before William Fielding, Police Magistrate of Minden, and were fined $5 each and costs. There were eight in the party. The majority of settlers will tell you that the Government should not interfere with a settler in catching what fish he needs for his own use any time he sees fit to fish and catch them any way he can, and there are so many that know the fish laws here better than the overseer does, that they will not take any warning, but he finds since those parties were fined there is less illegal fishing going on. He found one night line set in Pine Lake, in June, which he sank. It contained, he thinks, seventy hooks. He is proud to say they have more lakes than one on his district, with bass in. They have three from which there were some fine bass caught this season. The salmon trout fishing was better than last season, both for size and number; they were all used for home consumption. The Dominion Government sent out to some lake in his district a few thousand salmon trout, which were placed with care in five lakes. With careful observance of the fishery laws by the settlers, in a few years they will have the waters well stocked with salmon trout and bass. He finds the fur-bearing animals are getting more plentiful in his district. He knows of several beaver houses within one and a half miles of his residence. He has seen quite a lot of mink and rats in his travels; the game laws have been well observed as far as he knows. There are no fishways in his district. He finds at some of the sawmills the sawdust and refuse were allowed to go in the river. He warned the owner not to do so and save trouble. He has kept a watch when passing. He finds partridge are more plentiful in the last year. He thinks the close season for another year will make the partridge hunting number one. He cannot say much about deer in his report, as hunting season is not past yet, nor has he seen a deer this summer or fall. He thinks it would be a good thing for the settlers if the Government would allow hoop nets used for sucker fishing. He tried rod and line for sucker fishing last spring, but failed in catching one. Some of the settlers have requested him to ask the Government if they would kindly prohibit fishing in Horseshoe Lake for two years, until June, 1912, as the bass over ten inches is seldom caught any more in the lake, the lake in Glamorgan Township.

Overseer F. Taylor, of Huntsville, reports that bass fishing has been poor this season in the waters adjoining Huntsville and vicinity, especially the first part of the season. Lake trout was fairly good. No fish are sold or exported at Huntsville. The only abuse he complained of was the taking of undersized bass. Close seasons have, he believes, been fairly well observed. He had some complaints of violations, but they fell through on investigation and no fines were imposed. He believes the waters are well protected, and the mill owners have been careful this year in respect to sawdust. Some people claim sawdust kills the fish, but no proof has been brought yet to show that such is the case.

Overseer Ira Toole, of Ormemee, reports that the fishing for maskinonge was the best this season that he has seen for some years, and a good size also. Bass fishing was very good, but there are not many who fish for them there, the fishing is mostly done with the trolling line for maskinonge. The catch of muskrat was not so large last spring as the year before owing to the low water when the ice came, which froze them out and they wandered away from the water and died. Mink are about the same as last year, pretty scarce. He thinks it would be a good move to give them the same protection as the muskrat, as it is a common thing here to see mink traps set in September, which is two months before they are prime. Frogs seem to be holding their own pretty well since they were protected two years ago, but he thinks they should get protection for at least two years all over as there are some places where they are cleaned out entirely and it would be the same there only there are a few places where it is impossible to get at them on account of the marsh and fallen timber. Partridge are about the same as they have been for some years here, disappearing as the woods are cut down. The duck shooting has been very good there this season; in numbers they seem to be about the same as last year. He has had about the usual trouble with poachers and law-breakers; a few of them have quit the business, but there are plenty left yet to keep an overseer busy.

Overseer C. Twamley, of Cavan, reports that the speckled trout are becoming very scarce in his locality, and he would strongly recommend the close season to commence on the 1st day of September. The bass were more plentiful in the spawning season than usual. He never saw as many in the creek during the months of May and June. In one place he suspected spearing was going on. He searched and found a spear, broke the handle and brought the spear home. As for ducks, the black species were more numerous all summer than he has ever seen before. The partridge are increasing. The people are observing the law very well.

Overseer John Watson, of Cæsarea, reports that he is much pleased to say fish are on the increase and the cold rough weather in the spawning season with his close watch has given them good protection during the past season. There have been a fine lot of large maskinonge taken out this season, but he would say to reduce the catch to two maskinonge and four bass. He would also advise that the close season come in on the first of April, as in years past, when all took fish in spawning season. He has some seasons found the killing all over by the fifteenth. He also thinks that fishing for bass in winter should be prohibited, as more bass can be killed in one day through the ice than in

a month in the summer time, and this near spawning time. Brook trout are getting very scarce; he would also advise to stop the taking of them for one year to give them a chance to get a start. Frog lights should also be prohibited, as they are used in the fall and spring more for fishing in the spring and trapping muskrats in the fall than they are for catching frogs, and the frogs can be caught in the day time, and they may just as well use a jack light as a frog light. He might say that the Game and Fisheries Laws have been well observed in his division as he has not had much reason to complain. Still a close watch prevents a lot of poaching and trouble. As to Americans, he knows of but two this season, they were friends of his and he sold them fishing permits, but all residents should have permits at a small fee, so as to locate the Americans. He also thinks that all trappers should pay a license of five dollars a year, and he finds that most of the trappers would be pleased with this. With regard to violations, he knows of but two and these by outsiders. One lives in Uxbridge and the other in Toronto, and they were fined five dollars each and costs.

Re Muskrats—The past winter was a very hard one on them, as the water was so low they got frozen out to a great extent, so that the spring catch was not near so good as it was in 1908, and he has found no violations in his division in respect to muskrats for the above stated time. Ducks and other game are increasing wonderfully, since they have been protected in the spring, but he still maintains that the sale of ducks should be cut out in order to give the general public fair play or otherwise limit the shoot to fifty ducks per man for the season, and this is lots for any man to kill in one season for his own use or otherwise. Partridges are also on the increase since the killing of them has been prohibited, and he would advise that this be extended to 1911 at least. Mink in his opinion should be protected for the reason given in his report last year. He finds that two hundred yards' limit for the duck hides is a good thing. Deer, which have been around his division for the past two years, he has not seen just lately, but he thinks they are still around, six of them, this summer.

Overseer Cook, West, of Holland Landing, reports that there has been very little change in his division from last year. There has not been the amount of fishing done this year as formerly. The Fishery laws have been well observed during close season, except in two cases. These parties were fishing on the east shore of Cook's Bay with jack lights and spear. He pursued them, but did not catch them. He also found two small gill nets which he destroyed.

In regard to game he has reason to believe that the partridge are on the increase, thanks to the protection. Not many ducks stop there, as there is no rice for them to eat. The carp destroyed it all.

River St. Lawrence.

Overseer Nassau Acton, of Gananoque, reports that as for fishing on the St. Lawrence, there is no license for netting or angling. The angling was up to the average. Large quantities were shipped through the Customs Department to Clayton, N.Y. He thinks perhaps the value of say one thousand dollars. Also a like amount taken over in punts and small boats. Of course this means legal angling. He is satisfied as far as he knows that there is no illegal fishing to speak of in that division, as most all of the fishermen have licenses from the Department to fish on Rideau waters, so there are no fishermen there to do illegal fishing. In that vicin-

ity they are very law-abiding, as hundreds of working men there have cottages on the island, consequently they are interested in better conditions of fisheries, and would report any violation of the law, as the river here in the busy season is alive with small boats and punts. He has not received one complaint this season. He has a store on Main street, has a sign painted outside his place, so they could report quite easily. This sign has on it, "N. Acton, Game and Fishery Overseer." He also lives on the premises, so reports could be made at any time. Very little fish were used for home consumption.

There was no shooting of any importance for the first three winter months. About April 1st there was a little open water there and quite a few ducks came in. Some illegal shooting was done by Americans who came over on the heavy ice, but that only lasted but a few days. About April 13th the inland waters of Gananoque Lake opened up and ducks were there at once, as they always do. This fall there was no shooting on the St. Lawrence; all hunters go to lakes north. There is very little of any other game in that vicinity.

Overseer Jas. A. Fraser, of Prescott, reports that the season of 1909 has been the best year for fish in the last five years, at least on that part of the St. Lawrence. Pike were plentiful, but of a rather small size. Pickerel (or Dore) which were rarely caught above the rapids, were caught in small numbers of a fair size, whereas east of the rapids, in the vicinity of Cornwall, they are the principal fish, but of a smaller size. Perch, rock bass and mud pouts were especially plentiful, the latter more especially. Bass, he is sorry to say, are very scarce, although there were some fair sized ones caught and he would strongly recommend that this part of the St. Lawrence should be replenished with bass or bass fingerlings. He has heard a great many complaints about the suckers, which are quite plentiful, eating up their spawn. As for game, the only thing in that line on the St. Lawrence is ducks. During the spring of this season ducks were very numerous and stayed in the St. Lawrence remarkably late, he presumes due to not being shot at, and so far this fall are more numerous than they were last year.

On March 16th he visited Cranberry Lake to inspect some hoop nets. On June 17th, by order of the Department, he went to Cornwall by train, thence by boat to Stanley Island and back to Cornwall, and the next morning took train to Lancaster, thence to William, town by horse and rig, and played detective, till he got a few names of parties who had been illegally fishing, and seized two nets which he brought away with him. Tried to get a summons from a local magistrate, but finding that it would be useless, he returned home. By orders from Department, he laid complaint before Warden Hunter. By appointment with him on July 13th they returned to Lancaster, and had four of the same parties tried before him, three of whom pleaded guilty; the fourth pleaded not guilty, and, being sworn himself, acknowledged to having caught hard fish, as also the others had, and all four were fined $5 and costs. A fifth man for whom he had a summons, being a young man without encumbrance, had skipped. This place in the spring is fished by hundreds, principally for suckers, but there is no doubt of their catching hard fish also.

July 7th, on his way up river, near Jones' Creek, he seized and confiscated a very large gill net. This net he knew existed and was being used two years ago, but he could never get it. He says that there are two others he will capture sooner or later, which he knows exist the same way. Nothing more of note happened until Aug. 10th, when he got a minnow net from an American poacher. This happened

about 10 o'clock at night; there being two men he thought the jig was up, but he put on a bold front and they simply gave up. August 16th he broke his wheel, and had to paddle round the river until the 29th, with a couple of old bent buckets which he had. About this time his new hull was launched, when they transferred the engine and once more got in shape and can make from 2 to 3 miles an hour better. Nothing more of note happened until October 9th. He was called up from Sifton's place by a well known gentleman to decide a question for him. In the conversation he told me there had been some shooting duck from a gasoline launch up there. Next morning he went up, but it was too fine a day. Boats were out in hundreds and there was no chance for any shooting; nevertheless he inspected several boats, and saw two as nice maskinonge as any man could wish to catch. He finds that there is more inclination to break the law in shooting than in fishing, and he would recommend there be a license for every man who wishes to carry a gun to hunt, same as in New York State. The fee there is $2.

Overseer James McNairn, of Iroquois, reports an increase in pike and pickerel this year compared with last year, the cause of which being the absence of parties who did dynamiting. There are no fish exported and about three tons sold for home consumption. The close season has been well kept. He has been on the lookout to see that they are kept; also all the local fishermen. No violations came to his notice. There are no mills dumping refuse, and no fishways in his district.

Overseer George Slate, of Rockport, reports that this season has been a very satisfactory one in a good many respects. The amount of illegal fishing in his jurisdiction has practically been nil, the extent of his confiscations being a couple of nets. There has been a fairly good catch of black bass and pickerel has been most plentiful, with a liberal catch of maskinonge. The discontinuance of netting indiscriminately is doubtless responsible for this. In his opinion it would be advantageous if it were possible for the Department to re-issue licenses for the use of set lines for catching sturgeon. This is being done by the American Government (which is considered by some to the detriment of our own citizens) which enables those interested to secure a fairly good competency and does good, depleting the river of a species of fish that is proving destructive to what game fish we have and at the same time increasing the revenue of the Department. With regard to duck hunting the season has been somewhat backward, but indications point to a very liberal supply.

Overseer George Toner, of Gananoque, reports that fishing in the St. Lawrence during the past season has been much better than for many seasons past. As high as 126 pounds of pike have been caught by one man trolling, in one day. This goes to show that the fish are very plentiful in the river. All the guides also report that the fishing has greatly improved during the past two seasons. They have had no trouble in taking all the bass that the law would allow, besides many very fine perch and pike.

Muskallonge have been more plentiful than for many years, many having been caught in this vicinity this fall. In the spring of this year ducks were plentiful. In the swift water the river opens up very early in the spring, and many ducks were slaughtered by poachers. He has been informed that many of these poachers used four guns. This was before he was appointed to the position of overseer for this year. At the present time the ducks seem to be plentiful.

LAKES SIMCOE, COUCHICHING AND SPARROW.

Overseer Samuel Coulter, of Gilford, reports that he did not have occasion to sell any of the angling permits, as the residents in his district are all Canadian citizens.

The carp nuisance is still on the increase, as a number of meadow lands were literally flooded with them in the spring, but few good fish were caught during the season, the supply being so small fishermen would not bother trying to catch them; in fact, the catch was much less than in former years.

He sold but one carp license during the winter, and owing to the early breaking of the ice, the party was barely able to meet his expenditure.

Game this year has also been on the decrease, ducks and geese being very scarce. The probable theory among the local sportsmen being the destruction of the rice grounds on the river. During the close of the season he had a call from Capt. Carson, who has been doing good work on the lake. He has been the means of keeping a number of nets out of the lake that would have been in, had he and his men not been patrolling the lake: this seems to be the only way to prevent netting in these waters. The notices received from the Department from time to time were placed in conspicuous places, and to the best of his knowledge the laws regarding game and fisheries have been carefully observed.

Overseer Geo. Green, of Bradford, reports as to conditions existing in the Holland River and marsh, both in game and fish.

Fish.—The run was very light, and also late. There was practically no illegal fishing done, only half a dozen light acts the whole season and never had to go twice; no one was caught. Several good lake bass have been caught in the river, which is almost unprecedented.

Game.—Ducks.—Not more than 10 or 12 pair, Blacks, nested there, and wood and summer duck, only two flocks were seen this fall. This comprises about all the duck there are here. So far this season they have killed only one dozen. Snipe, a few local birds, which have afforded very poor sport; not more than 100 birds all told have been killed.

Partridge.—The law is being kept, very few birds having been seen; the rest of the list practically none. Squirrels are reported fairly plentiful.

The direct cause of our tremendous feeding grounds for fowl being destroyed is in his opinion the "Carp." He has taken the matter up with the Department before, and had a call from Mr. Holden on this question, and he earnestly recommends that some steps be taken to remove the pest, and allow what is naturally one of the finest game lands in the Province recover. Why not supply wild rice? He believes if some help were supplied he could get a local man to go at these things.

Overseer Robert Leadley, of Barrie, reports that bass are plentiful, but very small bait is scarce, so that there have been very few white fish and herring caught this season.

Partridge are showing the result of the protection given them during the two seasons past.

Ducks seem more plentiful than two years ago. There are a number of deer left in Simcoe yet, and if protected for a few years he thinks they will get quite plentiful. Dogs running deer is the only trouble he has had this season. He managed to shoot one and that put a stop to the rest.

Overseer H. McDonald, of Beaverton, reports that the law has been fairly well observed in the different close seasons, as he has had but one conviction, and that was for illegal catching of bass. Bass seemed to be very numerous in the harbour this last spring during the month of February. He sold eleven spearing licenses, and had some trouble keeping the fishermen in the one-mile limit. He would advise a spearing license for salmon and whitefish during the month of August. He sold two angling permits to Americans. The tourists seemed to be pretty well satisfied with their catches this summer. The law in regard to the length of bass should, he thinks, be cut out, as there are so many small ones caught and let go that are injured, and there is a lot of damage done. He thinks the bass will increase in the lake, as the netting has been stopped more than in former years. The "Natal" has been quite a help, only it did not stop quite long enough. He thinks it has been a very successful year for the fish and fishermen.

Overseer William McGinn, of Orillia, reports that bass fishing in Lake Simcoe has been very poor this season, and what black bass were caught were of a small type. Salmon trout this season have been plentiful and of a large size. He has seen several caught with a trolling line, weighing from 14 to 22 pounds. Those fish were caught by the Rama Indians, at Four-Mile Point, on his portion of the lake. This part of the lake is noted for salmon trout. Angling in Lake Couchiching has been exceptionally good, especially the latter part of the season. He has witnessed some splendid catches of black bass caught in the lower part of Couchiching in October. Bass are becoming more plentiful every year. We also have abundance of herring, carp, perch and catfish: also a small number of pickerel. Maskinonge fishing has been extraordinarily good in Couchiching this season. One of Orillia's citizens caught 28 maskinonge during the season, his largest fish weighing 30 pounds.

There has been very little illegal fishing going on—at least, none has come to his notice. If there was any netting done in his ground, it was in the middle of the night, and it is next to impossible to catch that class of thief or poacher. He has spent several nights in search of that class of poachers, and has never seen one on his ground. He has also dragged the shoal and got nothing.

The close season for salmon trout should start about the 10th of October, instead of the 1st of November, as they are all spawned out and ready to leave the spawning beds by the 1st of November.

Game in North Orillia is very scarce. There is an occasional deer in the township. Partridge are reported much more plentiful this season. That is due to the protection over them. If the Department will protect them for at least another year, we will have partridges once more. Woodcock are entirely extinct in this district. Hares are plentiful. Ducks scarce, as there is no rice on those waters.

Overseer D. McPhee, of Uptergrove, reports that bass were plentiful, but they were smaller this year than last year. During the close season for trout the weather was so windy that no fish could be got, with the exceptions of one or two days. Trout were plentiful in the spring. Whitefish are increasing. Herring are very plentiful. Angling was good in Mud Lake this year. Lunge, bass and pickerel are the chief fish caught there. Carp are very plentiful in Lake Simcoe. He wishes the Government would take some steps to try and destroy these fish, as they are very destructive, and are very hard on other fishes' spawn and the young fry.

Ducks are plentiful in his district. Muskrats are plentiful, mink are scarce, and partridge are scarce. There are no sawmills in his district.

Overseer Harry Mayor, of Painswick, reports that during the ten months of the present year there were no violations of fishery or game laws to his knowledge in the division he is appointed to oversee. In regard to the fishing, the conditions are much the same as last year, the trout and bass being reported as scarce, and he believes it necessary that Lake Simcoe be restocked with the above-mentioned varieties. The coarse fish seem to be increasing. Carp have made their appearance in large numbers in the lower end of his division and around Weedy Bay. In regard to the game, he has not seen a partridge this season, and, upon enquiry, finds that only a very few have been seen. Hares and black squirrels are quite numerous, especially the black squirrels, which may be seen almost any day. Ducks and other small varieties are about as usual.

Overseer William Robinson, of Kilworthy, reports that the fishing has been good this season, in both Sparrow Lake and Kashoshebog Bay, and the tourists were all satisfied. There is a pickerel hatchery on Sparrow Lake, and two and a half million of young fish were put in from this hatchery this spring, and the Department put in two thousand and five hundred bass fingerlings this fall. The laws were well observed, with the exception of one case in the spring, when he caught parties spearing, and had them fined; also one party with a net. The partridge is increasing fast, and ducks are not as good this season as last. Beaver, otter and muskrats are increasing fast. Deer seems about the same as last season.

Overseer H. S. Thompson, of Beaverton, reports that bass fishing in that vicinity has been middling fair. A considerable number were caught during the season, but not as many were to be found as last year.

Ducks were plentiful in this district, and a considerable number were shot during the season.

Partridge were scarce, owing to the wet weather of last year.

Trout were rather scarce along the east shore of Lake Simcoe, and very few were caught. These fish were less numerous than last year.

Overseer Robert Tillett, of Roach's Point, reports that there was very little illegal fishing done in the spring; was only one case that he heard of. The maskinonge appear to be getting fewer every year. There were very few caught by the tourists trolling in the summer. The black bass were very late in spawning last spring. He saw bass that were caught on the 1st of July that had not spawned. In his opinion, it was owing to the cold, backward spring. There were some good catches of bass during the summer. There was quite a number of non-residents, and they appeared to be quite willing to buy permits. They appeared to be on the lookout for the steamer "Naiad." He thinks that boat has been a great help to Lake Simcoe, especially in October. October was a very windy month, and he did not hear of any illegal fishing, and he did not find any nets. If there was a license to spear trout through the ice he thinks every man would help to protect the fish in close season. The fish laws have been very well observed this year.

Game is very scarce in and around there. There are very few ducks, and they are getting scarcer every year. There is no wild rice for them to feed on, as there

was years ago. The carp have destroyed the rice. Cook's Bay was a good feeding ground before the carp got in and destroyed the rice. There were hundreds of acres of rice at one time, and now there is not any.

Partridge are very scarce here; there is no harbour for them. There are no snipe or woodcock.

Overseer M. Timlin, of Atherley, reports that the game and fishery laws in his division have been well observed during the year, and no violations of the laws came to his notice.

He posted up notices in various parts of his district. The law regarding mill refuse in the waters was also well observed. Bass, pickerel and 'lunge were plentiful in the lakes. As to game, muskrats and ducks were plentiful and partridge scarce.

Nipissing.

Overseer G. L. Bailey, of Callander, reports that the past season for fishing has been one of the best for some time. The bass fishing has been especially good, one angler having caught five and six bass in one day within two hours' time, at different times of the season. There were also more trolling and still fishing for pike and pickerel. The number of Canadian and American tourists has increased, and they all complied with the laws. There are no violations by sawmills with refuse, as all sawdust and waste are burnt. The trout fishing in streams in surrounding districts have been equally as good as other seasons. In regard to hunting, the laws have been observed, no partridge having been killed. They are becoming quite numerous, and by the time the open season arrives will be plentiful. There having been no bush fires, there should be as many deer as usual, there having been no violations of the law, either in season or otherwise. The marshes and bays on Lake Nipissing abounded with more duck than any season for some time.

Overseer James Dunlop, of Mackey's Station, reports that he has worked his territory faithfully, and is pleased to report the law is being observed to the letter as regards fishing. There is no doubt the close season law has accomplished much, as the streams and smaller lakes are now well stocked. As regards the deer season he has a complaint in the granting of licenses in other places to men coming from adjoining districts to hunt there, and it leaves him in an awkward position, not knowing how many licenses are granted and by whom. This leaves the overseer without the necessary grasp on the doings in his own district. This can be overcome by compelling the "would-be sport" to have his license in the district where he hunts, otherwise everything is satisfactory in his district. He finds much difficulty with the close season law on partridge, as people who cannot read the notices are inclined to think the close season law was over. This necessitates considerable extra travelling. Duck are plentiful.

Overseer Phillips Pilon, of Sudbury, reports that there were no applications for licenses for fishing. He has had no occasion to prosecute for infractions of the laws relating to game and fisheries. He has made several visits in townships surrounding Sudbury, and has not found anything contrary to the Act.

He has received a couple of reports, but, on investigation, he could not find any witnesses to make out a case in respect of game-hunting, so did not prosecute.

FINES AND CONFISCATIONS DURING THE YEAR 1909, ON ACCOUNT OF FISHERIES.

5 spears, 2 jack lights; 15 hoop nets, 75 gill nets, 6,145 yards of same; 11 seines; 8 trap nets; 4 dip nets; 15 night lines; 8 boats; 2 shad nets; 1 drag net; 2 sets sweep hooks; 1 snare; 1 sweep net; 7 boxes of fish.

Fisheries, amount of fines and sale of confiscated goods was over $1,600.00.

Game, amount of fines and confiscations, $3,038.67.

BIOLOGICAL DEPARTMENT,
UNIVERSITY OF TORONTO,
December 13th, 1909.

E. TINSLEY, ESQ.,
Superintendent of Game and Fisheries, Toronto.

DEAR SIR.—I beg to report concerning operations carried on during the summer of 1909, at the Biological Station, Georgian Bay, as follows:

In accordance with a plan previously decided upon, it was arranged that the time available at the laboratory should be given chiefly to the completion for publication of certain studies begun in previous years. Mr. A. D. Robertson, student, of the University, working on the natural history of the fishes, made detailed studies of the characters, including measurements and variations, of numerous examples of each species with a view to checking over for this region the description given for the species in general. He also assisted in completing a series of photographs of typical specimens. Mr. A. R. Cooper, also of the University, undertook the tracing of the life-histories of the parasites appearing in the young black bass from the time of hatching to the third month of growth, and contributed much to what had previously been done along this line. Mr. J. B. Williams, of the Biological Museum, assisted in the collection of specimens and also contributed by preparing specimens for exhibition. Mr. L. H. Graham, Science Master of the East Toronto High School, spent some time at the laboratory and made a study of the effects of exposure on the character of the shore and its vegetation.

Having, the previous year, equipped the dwelling house of the station so that we were able to offer adequate accommodation to workers, more serious efforts were made to bring the laboratory to the notice of those interested in biological studies. The first results were not as satisfactory as one would like, and it is hoped that prospective workers in various parts of the Province will investigate for themselves the opportunities which are being offered for doing field-work under the best conditions.

Yours sincerely,

(Sgd.) B. A. BENSLEY.

REPORT OF THE WORK DONE AT THE BRANTFORD BASS POND DURING THE SEASON OF 1909.

To the Superintendent, Game and Fisheries Department, Parliament Buildings, Toronto, Ont.

SIR,—Herewith I beg to submit my report of the operations in connection with the fish hatchery here this season.

The number of fingerlings transported by myself to the various inland waters numbered about twenty thousand (20,000).

On 4th May last, ninety parent bass were deposited in the pond, supposed to be seventy females and twenty males. It was thought that owing to the small percentage of males good results could not be obtained, so on 25th May a second consignment of eighteen males (supposed) was received here and placed in the pond, with the result that the second arrivals caused trouble, as fighting began almost immediately, and on 31st May one parent died.

On 1st June another parent appeared on the surface of the pond. I immediately caught him and treated him with a bath of salt and water, but it was of no avail, as he soon died. Two others died on the same date. In all thirteen parents died, twelve females and one male. This was due to overcrowding.

On 22nd May, previous to the arrival of the second consignment, several male fish were building nests, but when the trouble began it had the effect of breaking up the work already done.

From 22nd May to 7th June I did not observe any evidence of spawning, but on the latter date I observed one pair spawn. On 11th June I observed a number of fry around the shore of the pond.

On 12th June I observed one bass making a nest, and on 13th June I noticed seven nests in the outer sections of the pond. At the instance of the Department I installed six shielded nests (and here let me say that I highly recommend these), with the result that on 15th June three pairs of bass had taken to them.

I might also add that the members of the Department are to be congratulated for the untiring activity they have displayed in connection with the propagation of black bass during the past season of 1909.

Yours truly,

J. T. EDWARDS.

REPORT OF THE WORK PERFORMED BY THE PATROL BOAT "EDNA IVAN," ON THE GREAT LAKES, DURING THE YEAR 1909.

OWEN SOUND, Dec. 13th, 1909.

E. TINSLEY, ESQ.,
Superintendent of Game and Fisheries, Toronto.

SIR,—I have the honour to forward you my first annual report, for the season of 1909, of the work performed by the chartered patrol boat, "Edna Ivan."

Owing to ice conditions, an earlier departure could not be made than the 4th of May. On that date, with W. W. Holden and D. Irwin on board, left for Meldrum Bay. On the 5th, landed D. Irwin on the Duck Island, and returned to Gore Bay.

6th, with J. Fisher on board, left to patrol the Georgian Bay, called at Little Current, where Mr. Fisher left. Took on board a gasoline launch, and proceeded, calling at most of the ports on the north shore of the bay. On the 8th, at Midland, delivered the gasoline launch. On the 10th, in company with Mr. Holden, interviewed the Indian Agent at Penetang, with reference to reserves of fishing grounds for the Indians. 11th, took on board at Collingwood a gasoline launch. Mr. Holden left. 12th, arrived at Owen Sound, where a delay of eighteen days occurred by repairs to the boiler, and installing a new steam capstan. June 1st, left Owen Sound, and at Wiarton, J. W. Jermyn and D. Robertson came on board, called at Lion's Head, and on to Tobermory, where Mr. Jermyn left the ship. 2nd, called at Stokes Bay, and on to Southampton, where D. Robertson left, and Mr. W. W. Holden came on board. 3rd, departed down the lake, calling at Kincardine and Goderich, where Mr. V. Chauvin joined the ship. 4th, proceeded to Walkerville, calling at Point Edward. At Walkerville a few days were consumed installing gasoline engine in launch. On the 8th, with Mr. Holden and Mr. Chauvin on board, made a short run to Big Creek, Lake Erie, where Mr. Chauvin had information that some illegal work was being carried on—did not find any. Returned to Walkerville. 11th, Mr. Holden left the ship. At 5.10 a.m. departed, to cruise on Lake Erie. Called at Pelee Island, and on to Rondeau. 12th, ran to Port Stanley. Officer McVittie, who came on board at Rondeau, left. 14th, went up the river with Mr. Holden, and seized two nets and two strings of hooks. Continued down the lake, calling at Port Burwell, Port Dover, Port Colborne, and Fort Erie. Dr. Burt had joined the ship and left here. Returning up the lake, called at all the ports, Mr. Holden leaving at Port Dover. On the 22nd, placed buoy five miles south of Port Stanley as guide to fishermen. 25th, cruised on Lake St. Clair. 29th, landed Mr. Holden and Mr. Chauvin at Point Edward, and on to Goderich and Kincardine, where Mr. Holden and Mr. Chauvin left the ship. July 1st, at Southampton, Mr. Holden re-joined, proceeded up the lake, calling at Tobermory, Rattlesnake, South Baymouth, the Duck Island, Cove Bay, Blind River, Thessalon, Bruce Mines, Hilton, Richard's Landing, and arrived at Sault Ste. Marie on the 8th. Proceeded up Lake Superior and visited Batchawana, Gargantua, Groscap, Peninsula Harbor, Port Caldwell, Rossport, Jackfish, Nepigon, Crow's Nest, Port Arthur. Returning, called at the above ports, and Michipicoten Island, where Officer Callbeck joined the ship. 22nd, arrived at Sault Ste. Marie, A. Callbeck left. 23rd, at Milford Haven, examined creek with launch, found that an American, who had been camping there had left the day before.

Continued cruise, calling at Cockburn Island, Meldrum and Gore Bays. 27th, I drove out to Tobacco Lake, one American there, but didn't want permit. July 28th, arrived at Manitowaning, accompanied Mr. Holden to Lake Manitou. 29th, at Bedford Island, found an American yacht, at anchor, had guide and permits. August 5th, landed on Limestone Island, found that seining had been carried on early in the spring. On the 11th, at Wiarton, D. Robertson came on board, and J. W. Jermyn, next morning, cruised up the peninsula, to Tobermory. 13th, at Southampton, where they both left the ship. 26th, left Harbor Springs, with A. Kelly Evans on board, and cruised up the St. Mary's River to Sault Ste. Marie, where Mr. Kelly Evans examined a number of persons with reference to the game and fisheries. His secretary joined him here. 29th, at Campement D'Oure, Mr. Evans and his secretary left the ship. Sept. 13th, at Sarnia. On arrival of Mr. Holden went out on Lake Huron with a party, to locate the place where an American had set his nets, and were seized by one of our officers. 14th, at Walkerville, made

arrangements in Detroit to dock the ship. 20th, with Mr. Holden and Mr. Chauvin left for Amherstburg. After the failure to sell the tug "Charles F," took her in tow to Sandwich. 22nd, left to cruise on Lake Erie; at Rondeau examined creeks with Mr. Chauvin. Continued cruise, calling at all fishing stations, and on the 28th, arrived at Port Colborne. 30th, returned up the lake. Oct. 4th, arrived at McCormick's dock. In company with Mr. Chauvin, visited the Pelee Island Club, where we found twenty-two members, who gave us a very warm and courteous reception; were all pleased with their catch of fish and outing. It gives one great pleasure to meet such gentlemen. 5th, cruised up the lake and River Detroit, to Walkerville. 7th, cruised up Lake St. Clair and river, to Sarnia. 8th, continued cruise up Lake Huron, calling at all ports. Sunday, 12th, arrived at Tobermory, were detained for one week by continuous gale. 29th, arrived at Parry Sound. Interviewed Officer Laughington, continued cruise, and on November 1st arrived at Gore Bay. 4th, met Mr. W. W. Holden at Cutler, and returned to Gore Bay. 5th, at Marksville, (Hilton) where Mr. Holden met and gave instructions to a Mr. Eddy. 8th, conveyed D. Irwin from the Duck Island to Providence Bay. 10th, at the Bustard Islands, Mr. Holden seized a quantity of fish and 1 a seine net. 11th, took fish to Byng Inlet, where fish were shipped. 12th, at Parry Sound, where Mr. Holden left the ship. 18th, left Wiarton, with Mr. J. W. Jermyn on board. Landed at a fishing shanty on Cape Commodore, found a quantity of herring, saw some fresh trout spawn, but could not find any fish; landed at another shanty, found two bundles of hooks, with short lines attached to them, a large quantity of twine used in hook fishing, a box of small mesh nets, and Mr. Jermyn got two kegs of trout hid in an old unused house, and 1, five kegs hid in the bush, an eighth of a mile from the shanty. 19th, at another fishing shanty on Cape Commodore, where seized three more kegs of fish. Afterwards Mr. Jermyn seized at Griffith Island one salt barrel of fish, and another half full, and a quantity of twine. 23rd, left Owen Sound, calling at all ports between it and Gore Bay. 28th, made a trip to John Island and Cutler, and returned. 30th, delivered the boat to the owners.

Remarks.—At nearly all fishing stations, from Fort Erie to Port Arthur, fishing was reported very light during the summer, and October was so very stormy that the fishermen, as a rule, have had a poor season, but considering the way the fisheries have been handled by the Dominion Government, for political purposes, it is surprising that they have held out as well as they have. Herring fishing, by a certain class of fishermen, is used as a blind for trout fishing. I have in former years taken up a net buoy and found a herring net, but the rest of the gang would be trout nets. I find that the law by the regular fishermen is better observed than formerly, and I think trap net fishing is nearly stamped out. During the past season the ship has been docked or anchored at seventy-six ports or harbours, and has logged 8,275 miles.

I have the honour to be, Sir,

Your obedient servant,

E. Dunn.

REPORT OF THE WORK PERFORMED BY THE PATROL BOAT "NAVARCH," ON THE RIDEAU WATERS AND BAY OF QUINTE. DURING THE YEAR 1909.

Left Belleville on 24th of May, after taking on coal. We went to Picton and returned at 6 p.m., cleaned our boat and got ready to go to Kingston, where we took on a fresh supply of coal, and proceeded to Gananoque, returning the next evening to Kingston, and patrolled to Deseronto and rowed up the bay in search of nets. Spent Sunday in Belleville.

On Monday, May 31, we left Belleville for Brighton and went to Weller's Bay, called at Murray to see Overseer Hayes. We held court and fined three men for illegal fishing. The next day we patrolled the Bay of Quinte and visited all the fishermen between Belleville and Green Point, had them take their nets out, and seized one night line west of Belleville Bridge. Left here and patrolled to Deseronto, stopped to see Overseer Gault and ran on to Picton, took Overseer Brisbin and ran on to Bath for the night. Leaving here next day at 5 a.m. for Duck Islands, stopped at the Island for four hours, found nets measuring 4 1-2 inch mesh. We patrolled the small bays with row boats. Spent Sunday in Belleville.

On Monday, June 7th, we repaired boiler, and this engaged our attention until Friday, when we left for Kingston at 5 p.m. Here we seized four night lines and patrolled around Simcoe Island and Cataraqui; took Overseer Taudvin's launch and patrolled Cataraqui as far west as Brothers' Island. From here we steamed up to Deseronto, stopped for a while and ran on to Belleville, arriving at 5 p.m. Patrolled the bay as far as Massassaga, returning to Belleville and cleaned our boat the rest of the day. Left Belleville at 8 a.m., calling at Deseronto and Picton and on to Bath; arriving at Kingston we stopped for the night. The next day we left for Jones Falls, stopped for dinner and ran on to Chaffey's, stopping there for the night. The following day we patrolled down to Westport and ran on to Portland and on to Smith's Falls, and on to Oliver's Ferry, to try the Millars for fishing with gill nets in Otter Lake. Sunday we spent at Smith's Falls. On Monday, 21st June we steamed up at 7 a.m., and patrolled the waters of the Rideau to Portland and on to Newboro, stopped for a while and on to Jones Falls for the night. The following day we patrolled to Kingston, where we had to repair cylinder. Patrolled around Bell Island with Overseer Taudvin; took Overseer McGuire and patrolled around Simcoe Island and south side of Wolfe Island; found nothing wrong. With Overseer Taudvin we patrolled Massassaga Bay, grappling for nets, but did not get any. The next day we patrolled the Bateau Channel and Sand Bay and on out to Pigeon Island and returning on the north shore of Simcoe Lake.

On Monday, June 28th, we were repairing cylinder and the next day we left Kingston at 3 p.m., and patrolled to Weller's Bay and Brothers' Island and on to Bath. Seized about one thousand yards of gill nets, which we dried and cleaned up. We patrolled up the bay as far as Brighton, seized one gill net and destroyed it. Then we sailed up the south shore into port at Belleville, where we stayed for Sunday.

On Monday, July 5th, we steamed up at 5 a.m., patrolled on down to Kingston, found nets are all out of the water. Captain Hunter was on board. We ran on to Brothers' Island with steamer, went with Overseer Taudvin in launch and patrolled Amherst Island, Read's Bay and Sand Bay, and over to Pigeon Island and on to Simcoe Island, had to get out and tow Overseer Taudvin's launch into Kingston at 3 p.m. We left and went down to Jones Falls, patrolled on down to West-

port and Portland, calling at Garrett's Rest, arriving at Smith's Falls at 6.30. Here we remained until Tuesday, putting in new syphon pipes.

On Tuesday we patrolled as far as Jones Falls and went with Overseer McGuire and patrolled Benson, Indian and Mosquito Lakes, and on to Devil Lake and found everything all right; no complaints of illegal fishing. Left Newboro at 7 a.m., patrolled on down to the Big Rideau and to Smith's Falls, arriving at 7 p.m. The next day we were putting in dead lights, and at 6 p.m. ran up the Rideau to Gem Island, stopped there for the night. Spent Sunday at Gem Island.

On Monday, July 19th, we left Gem Island at 5 a.m., patrolled the Rideau waters to Kingston, stopped at Jones Falls, arrived at Kingston at 6.30 p.m. Repaired pumps at Kingston, met Overseer Brisbin at Bath and patrolled around Amherst Island with launch and found no nets set there, steamed on to Picton, leaving there the next day at 8 a.m. We patrolled on to Deseronto. Overseer Gault reports no netting in the Bay of Quinte. Arrived at Belleville at 6 p.m. We left here shortly for Picton, Capt. Hunter on board; no complaint of illegal fishing. Sunday spent at Picton.

On Monday, July 26th, at 7 a.m., we patrolled down to Kingston and on to Gananoque, stopped there for the night; no reports of illegal fishing. Left Gananoque at 7.30, patrolled on back to Kingston, arriving at 11.30 a.m. Cleaned up boat the rest of the day. The next day we patrolled to Amherst Island, left the steamer at Stella and took launch and patrolled Amherst Island for the rest of the day, found no nets. Steamed up at 7 a.m., patrolled on to Hay Bay, took launch and patrolled for three hours. It commenced to rain and had to return to the steamer, ran on to Picton, took on coal and ran on to McDonald's Cove. Stopped there for the night. Left here the next day at 6 a.m., patrolled on to Kingston, arrived at 12 noon, left for Jones Falls at 2 p.m.

On Monday, August 2nd, steamed up at 7 a.m., patrolled on down to the Big Rideau, on to Portland, collecting money for permits sold at Garrett's Rest, on to Oliver's Ferry and to Smith's Falls for coal, then back to the Rideau and stopped at Murray Cove for the night. The following day we patrolled back to Westport, went with Overseer McGuire and drove out to Wolfe Lake, hired a row boat and patrolled the lake thoroughly, collecting $7. Found no complaints, back to Westport for the night. The next day we steamed up at 7 a.m., ran to Newboro, took launch and patrolled Devil Lake, found everything all right, arrived back at Newboro at 8 p.m. The next day we took launch and patrolled Mud Lake, Loon and Bass Lakes and then back to Newboro. On Saturday started men to paint deck. Paint for the smokestack did not arrive until 4 p.m. On Monday we were still at the painting and repairing boat.

Tuesday we steamed up at 7 a.m., patrolled the Rideau to Portland and over to Oak Island, took launch and patrolled German Bar and stopped at Oak Island for the night. Patrolled on down to Mabel's Bay, calling at Garrett's Rest and on to Oliver's Ferry for the night. The following day we steamed up at 8 a.m., patrolled on down to Smith's Falls, took on coal and painted smokestack and repaired furnace door and stopped there for the night. The next day we went to Gananoque and seized two row boats and arrested three men for spearing with torch light. Stopped there for the night with Captain Hunter on board. Left the next morning for Brockville, patrolling the St. Lawrence up to Milton Island. The weather being rough, we stopped here for the night.

On Monday, 16th of August, we patrolled on to Kingston, took on coal, stopped at Newboro for the night; all the anglers report bass fishing good. At 7 a.m.,

we steamed on to Portland, stayed for a while and called at Garrett's Rest and on to Smith's Falls for the night. Steamed up at 6 a. m., and made for Kingston, patrolling Bay of Quinte to Bath, stopped to see Overseer Murdock; we went on to Picton to see Overseer Brisbin, then on to Belleville for the night. Spent Sunday at Belleville.

Monday we spent in repairing boiler, tubes and valves. The next day we steamed out at 4 a.m., and patrolled the Bay of Quinte down to Stella and ran on to Kingston and took on coal, then we patrolled the Rideau waters down to the Big Rideau and stopped at Murphy's for the night. The following day we went to Smith's Falls and took on coal, and ran back to Oliver's Ferry, found very few fish. Putting on new fenders. Sunday spent at Perth.

On Monday, August 30th, left Perth and went to Oliver's Ferry, stopped there for the night, with Captain Hunter and Mr. Holden on board. The next day we patrolled the Rideau to Portland and on to Washburn for the night. Leaving here the next day we patrolled to Kingston, took on coal and left Captain Hunter and Mr. Holden there and we came back to Newboro. The following days we were painting and cleaning steamer.

On Monday, Sept. 6th, we steamed up at 7 a.m., patrolled the Rideau to Smith's Falls, where we met Captain Hunter, went on to Kilmarnock, took on Overseer Boyd and patrolled on to Ottawa, arriving there at 5.30. Here we held court on board the boat and the next day we spent there. Leaving the following day we patrolled with row boat on the Ottawa River, seized two night lines and patrolled back to Ottawa.

On Monday, Sept. 13, we patrolled the waters of the Ottawa River to Kilmarnock. Stopped there for the night. The next day we went to Smith's Falls with Mr. Kelly Evans on board and Captain Hunter. We patrolled up the Rideau, calling at Garrett's Rest and the Angling Inn and Portland, and on to Newboro for the night. Tuesday we were busy cleaning the boat. The next day we left Newboro, patrolled to Chaffey's Locks and stopped there for the night. The following day we left Chaffey's at 8 a.m., patrolled on to Jones Falls, stopped to hold session, patrolled on to Kingston and arrived at 5 p.m. Cruised around the Island and Read's Bay and back to Kingston for the night. The next day with two launches in tow we patrolled to Belleville.

On Monday, September 20th, we cleaned up boat and Mr. Kelly Evans held a court of enquiry, then we steamed out, with Captain Hunter and Mr. Kelly Evans on board; we patrolled down to Bath, stopped for the night. The weather being rough we stayed at the Island all day and the next day we patrolled to Picton, took on coal and ran back to Belleville, arriving at 7 p.m. Left Belleville at 8 a.m., patrolled the bay down to Kingston, stopped for the night, but found no fishing. Steamed up at 7 a.m. on Saturday, patrolled the north side of Wolfe Island, Simcoe Island and Sand Bay with row boat, but found no sign of any fishing going on. Spent Sunday in Kingston.

On Monday, September 27th, we patrolled to Brothers' Island and around Amherst Island, and on to McDonald's Cove, from here we patrolled to Picton and back to the Island for the night. The next day we went to Deseronto and on to Belleville. Here we collected accounts and cleaned the boat.

REPORT OF THE "NAVARCH" CONTINUED, BY CAPTAIN FLEMING.

On Monday, October 1st, patrolled from Belleville to Glen Island and Adolphustown and on to Picton for the night. The next day we patrolled from Picton to Belleville and Hay Bay and some other bays. Spent Sunday in Belleville.

On Monday, October 4th, we left Belleville to go to Trenton and Weller's Bay. Distance travelled fifty-five miles. Here we seized several thousand yards of gill nets, which we turned over to Captain Hunter. We patrolled a distance of fifteen miles. The following day we left Weller's Bay, and went to Brighton and on to Belleville, a distance of fifty miles. Here we painted the boat. When the boat was dry we patrolled to Murray Canal and back to Belleville, a distance of forty miles. Spent Sunday in Belleville.

On Monday, October 11th, went from Belleville to Deseronto patrolling around Baker's Island and back to Belleville, a violent windstorm blowing. The following day we left Belleville, with Mr. Holden and Captain Hunter. The wind was blowing a gale and we remained at Deseronto for the night. We patrolled to Napanee and back to Picton, where we remained on account of wind. The next day we patrolled from Picton to Collin's Bay. Distance travelled forty-five miles. From Collin's Bay we went to Kingston and Wolfe Island, where we remained until the wind went down. Spent Sunday in Kingston.

On Monday, the 18th, we left Kingston for Hay Bay and on to Deseronto, seized a large quantity of gill nets, which I have stored. The next day we patrolled from Deseronto down around Mosquito Bay and patrolled on to Belleville, then back to Deseronto again, where we spent Sunday.

On Monday, October 25th, we started for Kingston as directed by Captain Hunter, and patrolled as far as Stella, a distance of sixty-five miles. We had Mr. Thompson inspect boiler, then we went on to Kingston and Milton Island and Glenora, and on to Picton, going a distance of sixty miles. Friday we patrolled from Picton to Belleville, a distance of forty-five miles, and around some other bays. Distance travelled thirty miles. Sunday we spent at Belleville.

On Monday, November 1st, we left Belleville for Murray Canal and back to McDonald's Cove. Saw some seine fishing. The following day we patrolled from Belleville to Trenton and around Nigger Island and Balser's Island, a distance of forty miles. We went on to Weller's Bay and seized about three thousand yards of gill nets, four sets of hoop nets and found some fishing without a license. The next day we were engaged in stretching and drying nets and storing them. We also cleaned the boat. We called at Deseronto to oversee seine fishermen, and back to Belleville for Sunday.

On Monday, November 10th, we patrolled Hay Bay with Mr. Huffman, seized 2 1-2 set of hoop nets and one night line, then we ran on to Belleville; from here we patrolled to Weller's Bay, seized about ten thousand yards of gill nets, one net with fourteen ducks in it, one sunken punt, one skiff and decoys, two guns and shells. Overseer Cheer and his man was with us making the seizure. Saturday we patrolled to Belleville, hanging up nets and drying them and cleaning the boat seemed to occupy the day. The next day we patrolled up west of Belleville bridge, seized two hundred yards of herring net.

On Monday, November 15th, we patrolled to Brighton and back to Belleville, and on to Northport and Deseronto, and back to Belleville, going a distance of fifty miles. On account of gale we laid over for a day or so. Here we laid off the engineer and mate, and we occupied our time making reels and reeling up nets.

On Tuesday, November 23rd, we patrolled from Belleville to Trenton and back to Belleville, a distance of thirty miles. Here we started to lay up boat, lifting it up into the boathouse, and placed sledge stocks under it, made shutters for the windows and put them on. Left Belleville for home in Newboro on December 3rd. Everything left in good order.

REPORT OF THE WORK PERFORMED BY THE PATROL BOAT "NAIAD," ON LAKE SIMCOE AND KAWARTHA LAKES DURING THE YEAR 1909.

On Saturday, the 5th day of June, steamer "Naiad" came from Lakefield to Peterboro, spent Sunday at Peterboro, and Monday we were repairing steam joint. On Wednesday we started from Peterboro at 6 p.m., and patrolled the waters of the Otonabee River and Rice Lake, in company with Overseer John Cox. Miles travelled, 73. The following day we started from Peterboro at 7 a.m., and sailed from there to Burleigh Falls, patrolling the waters of the canal, Clear and Strong Lakes, laid over night at Burleigh Falls. Miles covered, 46. The next day we started from Burleigh and patrolled the waters of Buckhorn and Lovesick Lakes and Deer Bay and Chemong Lake, returning to Lakefield Friday night. Miles covered, 70 miles. From Lakefield we started for Peterboro, after washing steamer; stuck at a boom, got steel cable around wheel and had to work in the water for one hour and a half; then came to Peterboro, was detained at the different booms on account of logs, arriving at Peterboro at 4 p.m. Spent Sunday in Peterboro.

On Monday, June 14th, we left Peterboro and went to Lakefield and on the way the condenser gave out causing a delay of one hour, after leaving Lakefield we proceeded to Young's Point, Burleigh, Lovesick, thence to Buckhorn. The fogs very bad and heavy winds. Leaving Buckhorn the next day we proceeded to Chemong, from there to Harrong Island and to Gannon Narrows, then to Bobcaygeon, thence to Fenelon Falls. We laid up here for the night and took on one-half ton of coal. At 6.30 the next morning we set out for Rosedale, and from there to Coboconk, thence to Kirkfield Lift Lock, thence back to Fenelon Falls, took on seventeen hundred pounds of coal, and laid there over night. The following day we left at 6 a.m. and went to Lindsay; stuck in weeds at the mouth of the river. From Lindsay we went to Sturgeon Point, thence to Bobcaygeon, and from there to Buckhorn, stayed there over night, leaving there Friday morning at 7 a.m., and went to Lovesick, then to Burleigh, stuck in logs at Lovesick. From Burleigh we visited several summer resorts and cottages, and came to Lakefield, then to Peterboro, and broke the flag pole at Lock 3. In the act of coming out of the lock, the wind blew the bow around and the pole went against the arm of the gate.

On Monday, June 21st, we patrolled the waters of Otonabee River and Rice Lake. Number of miles travelled, 62. The next day we patrolled the waters of Clear, Stoney, Buckhorn Lakes, and laid over night at Buckhorn, leaving the next morning we patrolled the waters of Chemong and Sturgeon Lakes and laid over night at Lindsay, took on Mr. Clarkson at Buckhorn and took him to Lindsay and next day back to Buckhorn. On Friday we patrolled the waters of Stoney, Clear and Buckhorn Lakes, calling at Lovesick, Burleigh, Mount Julian, Breezes, Crow's Land-

ing, Island Stone, South, Beach, and laid over night at Young's Point. The following day we patrolled the waters from Young's Point to Peterboro, and broke wheel between Young's Point and Lakefield, came on to Peterboro and pulled boat partly out at McDonald's Mill, and broke off another flange so as to balance wheel. Spent Sunday at Peterboro.

On Monday, June 28th, we patrolled the waters from Peterboro to Burleigh Falls and laid over night at Burleigh. Distance travelled, 30 miles. The following day we patrolled the waters from Burleigh Falls to Chemong Park and laid over night at Chemong. Total miles, 25. From Chemong we patrolled the waters to Burleigh Falls and remained there over night. The next day we patrolled the waters to Stoney Lake down to Ellis' Creek, Mount Julian and to all the points on the lake down to Peterboro. Had the steamer pulled out at Peterboro and old wheel taken off and new one put on. Remained here for Sunday.

On Monday, July 5th, we repaired rudder post, had old set screw taken out and new ones put in and left Peterboro at 2 p.m., and ran to Lakefield, patrolling the waters to Bobcaygeon, and laid over night at Bobcaygeon. The next day we patrolled the waters from Bobcaygeon to lock on Kirkfield Canal, had Captain Hunter on board as far as Fenelon Falls. Distance run, 45 miles. The following day we left Lock 1 at 7 a.m., and proceeded to Lake Simcoe and called at Beaverton, sold two angling permits, left Beaverton at 2 a.m.; from Roach's Point and on the way between Georgina and Fox Island, took two night lines with about forty whitefish and one salmon trout. Arrived at Roach's Point about 7 a.m. Ran from here to Jackson's Point and took cars to Sutton West and had trial and fined a man for netting fish. Left Captain Hunter there and came to Barrie, leaving Jackson's Point at 5 p.m., arriving at Barrie at 7.30. We remained here and had steam joint repaired and boiler cleaned out. Spent Sunday in Barrie.

Monday, July 12th, we finished repairing on steam pipe and set out the next day to patrol the waters from Barrie to Roach's Point and from there to Bradford and back to Roach's Point. Laid there over night. Lake Simcoe very rough, and heavy sea all the way from Barrie to Roach's Point, a distance of 45 miles. We patrolled the waters of Simcoe from Roach's Point to Orillia, calling at Georgina Island for pilot, then ran from Orillia to Rama and saw Indian chief who thinks they should sell fish and also thinks the guides' license very unfair. Laid at Orillia over night. Miles covered, 43.

The following day we patrolled the waters of Lake Couchiching, calling at Rama, Longford Mills, and Washago, also examined the Chemical Mills at Longford, but could find nothing wrong with the water from these works. Laid in Orillia over night. Distance travelled, 30 miles. We patrolled the waters of Lake Simcoe from Orillia to Hodge's Wharf, and from there to Georgina Island and left off pilot, and the wind became fierce and had to run to Beaverton for shelter. We remained here over Sunday on account of storm, but patrolled the waters of Lake Simcoe from Jackson's Point to Beaverton.

On Monday, July 19th, we laid at Jackson's Point until 4 p.m., then started for Beaverton, ran about four miles in lake and had to run back on account of storm, a very heavy sea running, but was anxious to make Beaverton to meet Mr. Cox. The next day we patrolled the waters from Jackson's Point to Beaverton, met Mr. Cox and Captain Hunter. Left Beaverton at 8.30 a.m., and ran to Fenelon Falls, a distance of 59 miles. From Fenelon Falls we patrolled the waters to Peterboro and on to Hastings, calling at Hall's Bridge and Wedlock, travelling about forty-

five miles. The next day we patrolled the waters from Hastings to Peterboro, calling at Idyl Wild, Harwood, Gore's Landing, Jubilee Point and Wadlock. Saturday we remained to clean up boat, but could not paint on account of rain. Sunday spent at Peterboro.

On Monday, July 26th, hoisted out stern at Peterboro to repair stern bearing, and did some painting; this engaged our attention on Tuesday and the next few days. On Friday we patrolled the waters of Stoney Lake with Overseer Moore, and returned to Lakefield and laid over Sunday there.

On Monday, August 2nd, we patrolled the waters from Lakefield to Bobcaygeon, and laid over night at the latter place, travelling a distance of 53 miles. The next day we left for Lindsay and from there to Fenelon Falls, patrolling the waters to Beaverton and walked from Lock 1 to Gamebridge, then to Brechin, and from there to Lake Simcoe, then back to G.T.R. station, took the train to Gamebridge and walked from the station to the boat. Here I met Mr. Thompson. Left the lock at 6.30 and ran to Beaverton, a distance of forty miles. The next day we patrolled Lake Simcoe from Beaverton to Roach's Point, then back to Jackson's Point, and patrolled the waters to Orillia, to Strawberry Island and back to Orillia, then on to Barrie, calling at Hawkstone, Big Bay Point and Shanty Bay. Spent Sunday in Barrie.

On Monday, August 9th, we patrolled the waters from Barrie to Beaverton and laid there the rest of the day on account of wind. We also walked eight miles to see Overseer H. McDonald. Tuesday we remained ashore on account of the wind. The following day we patrolled the waters from Beaverton to Roach's Point, from there to Holland River, then to De Grassey Point, thence to Roach's Point and from there to Jackson. We also rowed two miles to see Overseer Coulter, and walked two miles to see Overseer Tillett. From Jackson's Point we patrolled the waters to Orillia and could not get any farther on account of no coal, and could not get away until Friday morning. Walked from G.T.R. swing bridge to see Overseer Timlin. The next day we patrolled the waters from Orillia to Hawkstone, thence to Georgina and Fox Island Shoal, but found neither nets nor night line. From Barrie to Big Bay Point, then to Jackson's Point and back to Barrie again, travelling a distance of fifty miles. Sunday spent at Barrie.

On Monday, August 16th, we patrolled the waters from Barrie to Orillia, and from Orillia to Jackson's Point, with Mr. Holden, Toronto, in charge. We patrolled waters from Jackson's Point to Roach's Point and from there to Beaverton, and on to Coboconk, and from there to Fenelon Falls. Distance, forty-five miles. Patrolled the waters from Fenelon Falls to Bobcaygeon and from Bobcaygeon to Lindsay. W. W. Holden left us at Lindsay by C.P.R. for Toronto. The next day we patrolled the waters from Lindsay to Chemong, had to wait in Lindsay until noon. Telephoned Toronto for orders and had verbal orders to patrol to Chemong and from there to Peterboro. Sunday spent at Chemong.

On Monday we patrolled the waters from Chemong to Heron's Island, and rowed to Heron's Cottage, on the side of Government Room, examined his sheds and outhouses, but found nothing illegal. Patrolled from there to Chemong village and laid up for the night about 9 p.m. Capt. Pearson, of the "Manilla," came on board and informed me that the steamer was disabled at Herrington Island, and asked me to take passengers to Bobcaygeon as they had nothing for them to eat and no place for them to sleep. We got up steam and took them to Bobcaygeon. The next day we patrolled waters from Bobcaygeon to Buckhorn, calling at Nicholl's Island and rowed to Herrington Island, and walked for three hours around the island looking

for duck poachers, as I was informed by the bridge tender at Gannon's Narrows that he had heard gunshots in that direction, but could see no one, but saw quite a number of wild duck and got within thirty yards of them before they flew away. Also overhauled two canoes with licensed guides in them, but found everything O.K. Americans with license, also bait catchers with license. Then we patrolled the waters from Buckhorn to Nicholl's Island, then to Indian Village and back to Buckhorn and from there to Deep Bay Creek, laid over night there and in the afternoon rowed from there home, water too shallow for steamer. The following day we patrolled the waters from Deer Bay Creek to Buckhorn, then to Lovesick, and from there to Burleigh Falls; also rowed from 7.30 until 12 p.m. around Big Deer Bay, examined one boat house, but found only two canoes and three trawling lines, nothing to indicate illegal fishing. We washed and cleaned brass work on steamer, also woodwork. On Friday we patrolled the waters from Burleigh Falls to Idyl Wild, Rice Lake, where we saw quite a number of wild duck and found the fishing to Peterboro, calling at Harwood, Gore's Landing and Jubilee Point. Distance travelled, fifty-three miles. Spent Sunday at Peterboro.

On Monday, August 30th, patrolled the waters from Peterboro to Young's Point, delayed at Peterboro getting supplies and having oil-feeders repaired. From here we went to Fenelon Falls, saw a number of duck which were quite tame, also had conversation with Mr. Smith, bridge tender at Gannon's Narrows, and he said there was less shooting out of season this year than ever before in his recollection. Left for Beaverton, where we saw a number of duck; we were also delayed on account of logs at Gull and Burnt Rivers. The next day we were laid up for repairs to air pump. Received valve from Polson at 7 p.m. The next few days were busy repairing steamer.

On Tuesday, September 7th, we patrolled the waters from Beaverton to Orillia, from there to Hawkstone and from there to Barrie. Distance fifty-six miles. The following day we left for Roach's Point and then to Trent Canal, patrolling waters from Trent Canal to Bobcaygeon, thence to Buckhorn, calling at McCrackin's, and ran to Lakefield and on to Peterboro, where we spent Sunday.

On Monday, the 13th September, we patrolled the waters from Peterboro to Gore's Landing, calling at Thompson, also walked out to Plainville to see Capt. McCullough, and back to Gore's Landing. Distance travelled twenty-six miles. The next day we patrolled the waters from Gore's Landing to Hastings, from Hastings to Healey's Falls, and back to Hastings, had on board Overseer Hess, of Hastings. From here we went to Sugar Island and thence to Harwood. The following day we patrolled these waters to Kent's Creek and on to Peterboro, where we were delayed to clean out boiler. Spent Sunday at Peterboro.

On Monday, September 20th, patrolled waters from Peterboro to Lakefield and Young's Point, and from there we visited the overseer at Moore's Cottage. We left for Stoney Lake that day and went on to Ellis Creek and Jack's Creek, travelling a distance of forty miles.

We spent the night at Overseer Moore's cottage, and left for Burleigh Falls, to Lovesick and Buckhorn, and from there to Nicholl's Island, and then to Bobcaygeon and on to Fenelon Falls.

On Monday, September 27th, we laid over at Lindsay. Leaving there Tuesday, we patrolled the waters from Lindsay to Kirkfield Lift Lock, and walked to Kirkfield and interviewed A. O. Boynton, and he told me there were deer within half a mile of Kirkfield, one of them being caught by Mr. William Fence. We patrolled

the waters from Kirkfield to Beaverton and ran to Beaverton on account of heavy wind. Here we were detained for the next few days.

On Monday, October 4th, patrolled the waters of Lake Simcoe from Beaverton to and around Thora Island and Georgina. Distance fifty miles. The following day we went to Roach's Point, from there to Jackson's Point to meet Mr. W. W. Holden, and we went on to Orillia and Barrie, patrolling the waters from Roach's Point to Georgina Island, then to Port Boulster, and from there on to Beaverton. Mr. Holden left us at Belle Ewart at 7.30. The next day we went from Beaverton to Overseer Thompson's and from there to Thora Island, and at Jackson's Point we left off Overseer Thompson, and came to Georgina Island and grappled on shoal, and then ran on to Beaverton. In the afternoon we walked about a mile and a half towards Kirkfield Canal and on the way came across a seine about two hundred feet long, in fairly good condition and carried it to the steamer "Naiad," lying in Beaverton harbour.

On Monday, October 11th, we patrolled the waters around Thora Island, but had to run back to Beaverton on account of a heavy east gale. This laid us up the rest of the day, and in fact for the rest of the week, as the wind continued.

On Monday, 18th October, we patrolled the waters of Lake Simcoe from Beaverton to Thompson's Point, and took on Overseer Thompson, but had to run to Beaverton on account of high wind, and we were windbound here all Tuesday. The next day we left for the lift lock, arriving there at 6 p.m. We patrolled the waters from the lift lock to Nicholl's Island and laid up there for the night. The following day we patrolled the waters from Nicholl's Island to Peterboro and to Rice Lake, where we spent Sunday.

On Monday, October 25th, we patrolled the waters from Jubilee Point to the Trent River, from there to Idyl Wild, thence to Harwood and to Gore's Landing, and to Sugar Island, back to Jubilee Point and on to Peterboro. Distance of seventy-two miles.

Tuesday, October 26th, we started laying up steamer and for the next four days we were thus engaged; on Saturday the engineer left for home.

REPORT OF THE WORK PERFORMED BY THE YACHT "VEGA," ON THE NORTH CHANNEL OF LAKE HURON, DURING THE YEAR 1909.

On Monday, the 17th of May, we left Little Current at 8 a.m., and arrived at Killarney at 1 p.m., and left there at 1.30 for Bustard's, where we arrived at 9 p.m. Here we met Overseer McKenny, travelling a distance of 32 miles. Leaving Bustard Island at 7 a.m., we arrived at Byng Inlet at 1.30 p.m., a distance of twenty miles, and waited there for orders. On Thursday we left Byng Inlet with Overseer Knight, at 5.30, and called at Duck Island clubhouse at 9, then at Point au Baril at 12, and at Shawanaga Bay at 3, and seized a boat steel and seine. Distance of 35 miles. Leaving Stoker's Dock at 6 a.m., we cruised around between there and Dillian's Port, a distance of twenty-five miles. The next day we left Dillian's Port at 7 a.m., arriving at Parry Sound at 3 p.m., and met Overseer Mr. Laughington, and travelling a distance of twenty-five miles. We remained in Parry Sound all day Sunday.

On Monday, the 24th of May, we left Parry Sound for Point au Baril, reaching there at 4 a.m., Tuesday. Called at Byng Inlet with Overseer Knight and arrived at Killarney at 7 p.m., a distance of sixty-five miles. The following day we left Killarney at 7.30 and arrived at Little Current at 1 p.m., a distance of twenty-five miles. Here we remained all day, awaiting orders. The next day we left Little Current at 9 a.m., and called at Kagawong, then to Gore Bay at 5 p.m., a distance of forty miles, where we had engine repaired, and left for Spanish, at 11 a.m., and reached the above place at 5 p.m., a distance of twenty-five miles. Here we remained all day.

On Monday, the 31st May, at 6 a.m., we left for Meldrum Bay and arrived at 5 p.m., going a distance of forty miles. The next day we left here at 7 a.m., arriving at Cockburn Island at 11 a.m. We left this island at 5 a.m., called at Duck Island and reached Providence Bay, travelling a distance of sixty miles. Leaving Providence Bay at 1 p.m., we arrived at South Bay at 5 p.m., remained over night, and at 5 a.m. set out for Fitzwilliam, a distance of eighteen miles. The following day we left for Partridge Island, reaching there at 9 p.m. We left here at 7.30 a.m. for Little Current, remaining here until Tuesday at 8 a.m., and arrived at Killarney at 4 p.m., where we met Mr. Pitfield. Total distance twenty-two miles. Next day we left Killarney 5 a.m., called at Bustard's, saw Mr. McKenny, arrived at Byng Inlet at 5 p.m., and met Overseer, Mr. Knight. Total distance travelled, fifty miles. On June 10th, in company with Overseer Knight, we left Byng Inlet at 7 a.m., and went to Shawanaga Bay, reaching there at 1.30 p.m. Cruised around the bay and went to Mink Island and Palestine Island and finished our trip at 5 p.m. on Friday, making a total distance of thirty-five miles. The next day we left Palestine Island at 5 a.m., called at Parry Sound, saw Overseer Laughington, reached Muskose at 8.30, and on to San Souci for the night. The next day at 8 a.m., we arrived at Penetang, met Overseer Williams and stayed here for Sunday and all day Monday in account of storms.

On Tuesday, the 15th June, at 5 a.m., we left Penetang, stopping for dinner at Musquosh, patrolled around Muskoka Mills with small boats and called at Alexander Island and arrived at Moose Point at 6 p.m. Total distance, twenty-six miles. The following day we left Moose Point at 7 a.m., patrolled in vicinity of Moose River, thence to Copper Head, and arrived at Parry Sound at 6 p.m. Total distance, forty miles. Leaving Parry Sound at 5 a.m., we arrived at Point au Baril at noon. We patrolled in that vicinity till 6 p.m. Total distance, fifty-one miles. We remained all day Friday at Point au Baril on account of storm, and the next day we left at noon, the storm blowing hard. We arrived at Byng Inlet at 4 p.m., and were obliged to stay there all day with the storm.

On Monday, 21st June, we left Byng Inlet at 4 a.m., calling at Bustard's and Killarney, arriving at Little Current at 7 p.m. Total distance, sixty-eight miles. Here we remained all day awaiting orders. The following day we left Little Current at 9 a.m., called at Kadot's Station, patrolled then to Oak Point. The next day we left Oak Point at 4.30 a.m., called at New Port and John Island; seized a net here with 2 1-2 mesh. Then to Algoma and Spragge, and arrived back at John Island 6 p.m. Total distance, forty-five miles. Left John Island 7 a.m., patrolled the shore down to Hog Island and arrived at 5 p.m. Left here at 7 a.m., and patrolled down to Whitefish River, thence out by Swift Current to Little Current, at 6 p.m. Total distance, twenty-two miles. Here we spent Sunday.

On Monday, June 28th, we stayed at Little Current all day repairing boat and engine so that it would not burn the deck; left there the next day at 8 a.m., pa-

trolled McGregor's Bay and arrived at Squaw Island at 6 p.m. Total distance, thirty-five miles. Left Squaw Island the following day at 6 a.m., calling at Club Island, arrived at Fitzwilliam's Island at 2 p.m., seized a net and a quantity of hooks. Total distance, twenty-two miles. Leaving Fitzwilliam's Island at 8 a.m., we called at Noble's Fishing Station, arrived at Little Current at 9 p.m. Total distance, forty-five miles. Spent the next day at Little Current awaiting orders, and the following day also, on account of storms blowing from the northwest. Sunday and Monday the storm continued and we were unable to move out.

On Tuesday, July 6th, we left Little Current at 8 a.m., and rowed to Gore Bay, where we stayed till Thursday, repairing engine. Thursday to Burn's Harbour, and arrived there at 6.30 p.m. Total distance, thirty miles. Left Burn's Harbour at 6 a.m., called at Cockburn Island, arrived at Meldrum Bay at 4 p.m. Leaving here at 6 a.m., patrolled the shore down to Clapperton Island and arrived 5 p.m., and left at 7 a.m. for Little Current, reaching there at noon, where we remained all day Sunday.

Monday, July 12th, gale blowing from the west, obliged to remain in Little Current till Tuesday 8 a.m., and reached Killarney at 2 p.m. Total distance, twenty-five miles. Left here at 5 a.m., called at Bustard Island and saw Overseer McKenny, arrived at Byng Inlet 3 p.m., and left at 6 a.m. Overseer Knight could not go. Took his launch and patrolled amongst islands near lighthouse. Could not go out in lake on account of storm. The next day a gale was blowing, we patrolled amongst the islands in vicinity of lighthouse and seized a large seine. Left Byng Inlet light at 5 a.m., called at Point au Baril and several tourists' residences. Arrived at Franklin's Island at 5 p.m. Total distance, forty miles. Left here the next day, and the strong gale carried away boom of yacht; we reached Parry Sound at 7 a.m., making total distance fifteen miles.

On Monday, July 19th, we remained at Parry Sound, having boom repaired and waiting for Mr. Knight. Left the next day and patrolled half way to San Souci; here we were obliged to wait over on account of storms. We left San Souci at 6 a.m., with Overseer Dusang, and patrolled to about 10 miles from Penetang. Then he ran home and we to Penetang, in a severe gale blowing. Total distance, forty miles. Saturday we stayed in Penetang on account of rain, and Sunday also.

On Monday, July 26th, at 9 a.m., we left Penetang and arrived at Parry Sound at 6 p.m. The next day we patrolled to Ojibway Hotel and arrived at 6.30, a distance of fifty miles. Left here for Byng Inlet and on reaching here we were compelled to stay over on account of fog, and left on Friday at 5 a.m., called at Bustard's and Killarney and arrived at Little Current at 6 p.m., where we stayed awaiting orders. Spent Sunday in Little Current.

On Monday, August 2nd, we set out at 1 p.m., and arrived at Kagawong 5 p.m., called at Spanish and patrolled down to Wells Island and Whitefish, arriving at 6 p.m. Total distance 45 miles. The following day we patrolled McGregor's Bay and Big Finn; then to Little Current, arriving at 6 p.m. Total distance, forty miles. From here we went to Killarney and called at Bustard's and Point au Baril, and arrived at Ojibway Hotel at 7.30 p.m., a distance of sixty-five miles, thence to Parry Sound, where we spent Sunday.

On Monday, Aug. 9th, we patrolled to Ojibway House; then to Point au Baril, arriving 6 p.m., a distance of forty miles. The following day we started for Byng Inlet, but the wind got up so we had to run back, and we went to Parry Sound, from here we called at San Souci and Copperhead, where we met Mr. Jones and Overseer Dusang. We left for Parry Sound; from there we returned to Copper-

head at 7 p.m. The next day we left for Parry Sound, arrived at noon and got the engine repaired, and spent some time getting yawl ready. Sunday spent at Parry Sound.

On Monday, the 16th of August, we left Parry Sound at 7 a.m., patrolled to Ojibway House, then to Point au Baril, and arrived there 4 p.m. Total distance, forty-five miles. From here we sailed in the direction of Byng Inlet, and Red Rock, then down to Tibischong Bay, arriving at 5 p.m. Total distance, forty-five miles. The next day we left for Depot Harbour, patrolled around the bay to Mowatt Island, then to Parry Sound, went part way to San Souci and back to Rose Point, and then to Parry Sound for Sunday.

Monday, August 23rd, we waited at Parry Sound till one o'clock for Mr. Blea, then left and got as far as Depot Harbour and had to lie over on account of wind. Next day we left at 6.30 a.m., patrolled to Ojibway House, then to Point au Baril, and arrived at 4 p.m. Total distance, forty-five miles. The following day we left Point au Baril 7 a.m. Could not go towards Byng Inlet on account of storm, so patrolled back to Parry Sound, then to Rose Point for 7 p.m. Total distance, forty-three miles. Left Rose Point 6.30, patrolled to San Souci, then to Copperhead, and arrived at 11 a.m. Left here at 7 a.m., patrolled to Rose Point, then to Parry Sound and arrived at 3 p.m. Total distance, twenty miles. Sunday spent at Point au Baril.

On Monday, August 30th, we left Point au Baril at 7 a.m., called at Key River and Bustard's, met Mr. McKenny there and steered for Bad River, arriving there at 6 p.m. Total distance, forty-five miles. Here we remained all day on account of gale. The next day we started for Killarney, 6.30, but had to return to Bustard's on account of the storm, and we were obliged to remain all the next day. Finally we left Bustard's at 8 a.m., Friday, called at Killarney and back to Little Current and Bad River, where we had to have the engine repaired. Sunday we spent at Little Current, also Monday, on account of storm.

On Tuesday, September 7th, we left Little Current and arrived at Gore Bay at 4 p.m. Total distance, thirty-five miles. Left Gore Bay at 10 a.m., called at Burnt Island and Spanish River, patrolled to Friends', then to Whitefish, and arrived at 6 p.m. Leaving here at 8 a.m., we patrolled amongst the islands to McGregor Island, and arrived at 6 p.m. Total distance, thirty-five miles. Left McGregor Island for Killarney at 7 a.m., but broke wheel of launch, so had to return to Little Current for repairs.

On Monday, September 13th, we left Little Current for Gore Bay and patrolled to Spanish, Buswell's and back to Gore Bay, arriving at 5 p.m. From here we went back to Little Current and spent the day, as a gale was blowing. The next day we went to McGregor Bay, Finn, Fraser Bay, and then to Killarney at 6 p.m. Total distance, fifty-five miles. Here we stopped Mr. Labatt from setting nets in Fraser Bay, where he has no license. Left Killarney and patrolled to Collin's Bay, then returned to Partridge Island, arriving at 6 p.m. Total distance twenty-seven miles. The following day we left Partridge Island at 6.30 a.m., patrolled Manitowaning Bay to Shequiandah, then to Little Current, arriving 3 p.m. Here we spent Sunday.

On Monday, September 20th, we left Little Current at 8 a.m. for Burnt Island, patrolled amongst the Islands with small boat till 6 p.m., and we started for Fitzwilliam's Island, but fog got so thick that he had to run back to Partridge Island, and remained all the next day, gale blowing strong. When we started for Fitz-

william we saw we could not make it on account of storm, and went to Little Current, where we stayed over till Monday awaiting orders.

On Tuesday, September 28th, we left Little Current at 8 a.m., and arrived at Killarney about noon. Gale blowing too hard to go farther. The next day we started for Bustard's, but had to run to Toad Island on account of bad weather, and arrived at 12 o'clock, patrolled in small boat in vicinity of Toad Island, then we ran to Bustard's and arrived at 5 p.m. Total distance, thirty miles. Left Bustard Island and arrived at Byng Inlet, where we were obliged to remain on account of storm. The next day we patrolled till noon and then ran to Point au Baril, and the following day to Parry Sound, reaching there at 3 p.m. Total distance, forty miles.

On Monday, October 4th, we left Parry Sound at 9 a.m., patrolled to Point au Baril, arrived there 5 p.m., and from there to Byng Inlet, then to Bustard Island, arriving at noon and patrolled amongst the Islands till 5 o'clock. Leaving here we patrolled around Bad River, and arrived at Killarney at 1 p.m. Total distance, thirty miles. The following day we left Killarney at 8 a.m., and patrolled to Little Current and arrived at 4 p.m., where we stayed all day repairing engine. Sunday we spent at Little Current.

The week beginning October 11th and ending October 17th we were detained at Little Current repairing engine, and then on account of violent snow storm.

On Monday, October 18th, we left Little Current at 8 a.m., patrolled to Fitzwilliam's Island, and arrived at 5 p.m. Total distance, forty-five miles. The next day we seized a seine, and as it was not much good, burned it. Left Fitzwilliam's Island at noon and arrived at Squaw Island 6 p.m. Left Squaw Island at 7 a.m., called at Partridge Island, then to McGregor Bay, arriving at 5 p.m. The following day we left for Little Current, where we were held over till Monday on account of storms.

On Monday, October 25th, we left Little Current at 9 a.m., and arrived at Gore Bay at 4 p.m., where we stayed till next day, we called at John Island and New Port, and at Spanish at 5 p.m. Total distance, thirty-five miles. From here we ran to Whitefish River, then to Little Current. Total distance, fifty miles. The following day we left Little Current at 9 a.m., and arrived at Killarney at 2 p.m., and left there at 9 a.m. the next day. We patrolled Fraser Bay, then to McGregor Bay, arriving at 3 p.m. Total distance, twenty-five miles.

Saturday, October 30th, we left McGregor Bay at 9 a.m., and arrived at Little Current at 12 noon.

WATERS STOCKED FROM 1901 TO 1909, WITH THE NUMBER AND KINDS OF FISH PLANTED IN EACH.

1901.

Waters stocked.	Species.	Number.
Muskoka Lake	Bass	1,205
Lake Rosseau	Bass	700
Lake Joseph	Bass	1,052
Fairy and Vernon Lakes	Bass	244
Lake of Bays	Bass	693
Thames River at Ingersoll	Bass	225
Thames River at Woodstock	Bass	225
Bear Creek at Strathroy	Bass	396
Thames River at Dorchester	Bass	696
Lake Couchiching	Bass	436
Stoney Lake	Bass	751
Lake Simcoe at Jackson's Point	Bass	603
Holland River	Bass	387
Golden Lake	Bass	372
Severn River	Bass	526
Grand River at Cayuga	Bass	400
Grand River at Brantford	Bass	274
Kempenfeldt Bay	Bass	300
		9,841

1902.

Waters stocked.	Species.	Number.
Muskoka Lake	Bass	246
Lake Joseph	Bass	256
Lake Rosseau	Bass	227
Lake Couchiching	Bass	285
Bear Creek at Strathroy	Bass	395
Stoney Lake	Bass	330
Huntsville Lakes	Bass	265
Winnipeg River	Brook trout	55
		2,059

1903.

Waters stocked.	Species.	Number
Bear Creek at Strathroy	Bass	926
Lake Rosseau	Bass	1,130
Lake Joseph	Bass	500
Muskoka Lake	Bass	1,002
Lake of Bays	Bass	371
Sparrow Lake	Bass	650
Lake Couchiching	Bass	258
Long Lake at Rat Portage	Bass	460
Golden Lake	Bass	100
Mink Lake	Bass	85
Clear Lake	Bass	85
White Lake	Bass	100
Lynn River at Lake Simcoe	Bass	355
Grand River at Brantford	Bass	425
Thames River at Ingersoll	Bass	75
Thames River at London	Bass	200
Thames River at St. Marys	Bass	205
Grand River at Fergus	Bass	100
Grand River at Grand Valley	Bass	70
Grand River at Paris	Bass	130
Musselman's Lake	Bass	200
Lake of Bays	Bass	500
		7,927

WATERS STOCKED FROM 1901 TO 1909, WITH THE NUMBER AND KINDS OF FISH PLANTED IN EACH.—*Continued.*

1904.

Waters stocked.	Species.		Number.
Credit River	Bass		17
Lake Rosseau	Bass		280
Green Lake	Bass		135
Opinicon Forks	Bass		30
Lake near Barry's Bay	Bass		30
Barry's Bay	Bass		190
Gorman Lake	Bass		75
Golden Lake	Bass		565
Mink Lake	Bass		60
White Lake	Bass		160
Clear Lake	Bass		50
Snell's Lake	Bass		100
Lake Joseph	Bass		725
Bass Lake	Bass		200
Lake Couchiching	Bass		230
Lake Joseph	Bass		415
Lake of Bays	Bass		530
Lake Simcoe at Jackson's Point	Bass		785
Beaver River at Cannington	Bass		250
Balsam Lake	Bass		400
Lake of Bays	Bass	Fingerlings	5,000
Oxbow River at Komoka	Bass	Fingerlings	1,200
Lake Scugog	Bass	Fingerlings	1,400
			12,955

1905.

Waters stocked.	Species.	Number.
Lake Scugog	Bass	400
Stoney Lake	Bass	600
Muskoka Lake	Bass	500
Thames River at Stratford	Bass	250
Thames River at Mitchell	Bass	350
Lake Couchiching	Bass	500
Gull Lake (near Gravenhurst)	Bass	100
Lake of Bays	Bass	400
		3,100

1906.

Waters stocked.	Species.	Number.
Lake Simcoe	Bass	450
Lake of Bays	Bass	700
Gull River	Bass	610
Grand River	Bass	575
Lake Scugog	Bass	400
Muskoka Lake	Bass	700
River Nith	Bass	600
Lake Simcoe	Bass	700
"	Bass	700
		5,435

1908.

Waters stocked.	Species.		Number.
Sparrow Lake	Bass		500
Haliburton Lake	Bass		520
Puslinch Lake	Bass	Fingerlings	725
River vicinity Kenora	Trout, Speckled, fry		2,000

WATERS STOCKED FROM 1901 TO 1909, WITH THE NUMBER AND KINDS OF FISH PLANTED IN EACH.—*Continued.*

1909.

Waters stocked.	Species.		Number.
Mohawk Lake	Bass	Fingerlings	1,000
Lake Rosseau	Bass	Fingerlings	1,500
Lake Muskoka	Bass	Fingerlings	1,500
Lake Joseph	Bass	Fingerlings	2,000
Lake of Bays	Bass	Fingerlings	2,000
Stoney Lake	Bass	Fingerlings	3,500
Gull Lake	Bass	Fingerlings	200
Whiteman's Creek	Bass	Fingerlings	200
Cooley's Pond	Bass	Fingerlings	150
Sparrow Lake	Bass	Fingerlings	2,500
			14,550

LIST OF GAME AND FISHERY WARDENS.

Name.	Residence.	District.
Burt, William	Simcoe	Niagara Peninsula.
Chauvin, Victor	Windsor	Western District.
Hunter, Capt. A.	Belleville	Eastern District.
Parks, G. M.	North Bay	District of Nipissing.
Robinson, J. T.	Sault Ste. Marie	District of Algoma.
Sterling, C. N.	Kenora	Thunder Bay and Rainy River.
Willmott, J. H.	Beaumaris	Muskoka and Parry Sound.

LIST OF OVERSEERS.

Name.	Residence.	District.
Acton, Nassau	Gananoque ...	Gananoque River, and for that part of the River St. Lawrence lying between Wolfe Island and Rockport.
Andrews, Samuel ..	Micksburg ...	The Electoral District of North Renfrew, and for the Tps. of Clara, Maria and Head, and with joint jurisdiction with any other overseers over the Bonnechere River.
Avery, Melzar	Sharbot Lake.	Township of Oso, with joint jurisdiction over the Tp. of Hinchinbrook in the Electoral District of Addington.
Bailey, G. L.	Callander	Lake Nipissing, in the Districts of Parry Sound and Nipissing.
Barr, George	Harrowsmith .	Tp. Portland in Co. Frontenac, with joint jurisdiction over Desert and Knowlton Lakes.
Beatty, John	Old Fort, Midland	With jurisdiction with other overseers over Tps. Tay and Matchedash, Co. Simcoe.
Birch, W. J.	Delta	Upper and Lower Beverley lakes and rivers.
Blanchard, F.	Fort Frances.	Rainy River and adjacent waters.
Blea, Daniel	Uplands	Province of Ontario.
Blunden, H. A.	Sarnia	Co. Lambton, exclusive of Walpole and St. Ann's Islands.
Boate, J. R.	Fowler's Cor's.	Tp. Emily, in Co. Victoria.
Boler, William	Byron	River Thames, between London and boundary line between Townships Delaware and Westminster, County of Middlesex.
Botting, Peter	Fermoy	The waters in the Township of Bedford in the County of Frontenac.
Bourgon, J. B.	Rockland	Counties of Prescott, Russell, Stormont and Glengarry, with jurisdiction over so much of the Rivers Ottawa and St. Lawrence as lies in front of said counties.
Boyd, J. H.	Merrickville ..	Rideau River and tributaries, fronting on County of Grenville.
Boynton, A. O.	Kirkfield	Tp. Eldon, in Co. Victoria.
Bradshaw, A.	Lindsay	Townships Mariposa and Ops, County Victoria.
Briggs, T. J.	Bridgeburg ..	County of Welland.
Brisbin, Angus	Picton	For the waters of Lake Ontario fronting Tps. North and South Marysburg, including all waters surrounding islands in said townships, also Main Duck Islands, and that portion of Bay of Quinte fronting these townships, as well as the waters of the Bay of Quinte known as Picton Harbor, in Tp. Hallowell.

LIST OF OVERSEERS.—*Continued.*

Name.	Residence.	District.
Briscoe, W. L.	Killaloe Sta'n.	Townships of Jones, Sherwood, Hagarty, Radcliffe, Brudenell, Raglan, and Lynedoch, Co. Renfrew.
Burke, George ...	Perth	For the Town of Perth, Tps. of North Emsley, Drummond, North Burgess, and the first two concessions of the Tp. of Bathurst, Co. Lanark.
Burns, D. E.	Pembroke	The waters between Allumette Rapids and Deux Joachim.
Burtcheall, C.	Coboconk	Balsam and Mud Turtle Lakes, County Victoria.
Calbeck, A.	Sault Ste. Marie	That portion of the District of Algoma lying west of the Village of Algoma Mills, exclusive of Cockburn and Manitoulin Islands, and over the waters lying in front of the said district, and with joint jurisdiction over the waters lying between said Islands and the mainland west of a line due south from Algoma Mills.
Campbell, John	Sylvan	River Aux Sauble and tributaries.
Carson, R. W.	Peterboro' ...	Counties Simcoe, Ontario, Victoria, Peterboro', Durham, and Northumberland, and York.
Caskey, T. C.	Blairton	Townships Belmont and Methuen, County Peterboro'.
Cassan, C. H. ..	Campbellford .	Trent River and tributaries, Co. Northumberland, from Campbellford to Trent Bridge.
Cheer, T. H.	Brighton	For the waters of Lake Ontario fronting Co. Northumberland, also inland waters tributary to said lake in said county.
Clarkson, William .	Lakehurst . .	West half of Township of Smith, Township of Ennismore, west half Township Harvey, Townships of Galway and Cavendish, County Peterboro'.
Clunis, A.	Claude	In and for the Townships of Chinguacousy, Caledon and Albion, in the County of Peel.
Collins, W. E.	Strathroy . ..	Townships of Adelaide, Metcalfe, and with joint jurisdiction over Township Caradoc, Co. Middlesex.
Colter, Samuel	Gilford	Lake Simcoe, from the 10th concession, Tp. Innisfil, to the mouth of the Holland River.
Conger, David	West Lake	Lake Ontario fronting Townships Hallowell and Athol, also for the Village of Wellington in the Township of Hillier, and for the inland lakes and streams in said Townships of Hallowell and Athol.
Cook, H. G. A.	Niagara Falls.	County Welland.
Corsant, A.	Masonville ...	County Middlesex, east of boundary line between the Townships of Westminster and Delaware, London and Lobo.

LIST OF OVERSEERS.—*Continued.*

Name.	Residence.	District.
Covell, H. N.	Lombardy ...	Township South Elmsley, County Leeds.
Cox, Matthew	Howe Island..	The waters of St. Lawrence River around Howe Island.
Crotty, John	Bothwell	River Thames between Village of Wardsville and easterly limits of County of Kent, in County of Middlesex.
Cunningham, Jas. A.	Maynooth	Townships Bangor, Wicklow and McClure, Co. Hastings.
Dafoe, Peter W. ...	Napanee	Township of Richmond, with joint jurisdiction over the Township of North Fredericksburg.
Davieau, H.	Michipicoten I.	Michipicoten Island.
Davis, J. W.	Sydenham	Township Loughboro.
Devine, John	Renfrew	Townships Horton, McNab, Admaston, Bagot, Blythfield, Brougham, Griffith, and Matawatchan, in the County of Renfrew.
Donaldson, W. J. ...	Donaldson ...	Townships of Palmerston, Clarendon, Barrie, Miller, North Canonto and South Canonto, electoral district of Addington.
Drew, Henry	Long Lake ...	Townships Hinchinbrooke, Oso, Olden and Kennebec, District of Addington.
Dunlop, James	Mackey's St'n.	Ottawa River between Deux Joachim and Mattawa, and over waters in townships in Ontario bordering on said river.
Dusang, B. A.	Fesserton	Tps. of Freeman, Gibson, Baxter, Wood and Morrison in District of Muskoka, also over Severn River.
Esford, Henry	Barriefield ..	Rideau waters between St. Lawrence River and Brewer's Mills.
Fisher, James	Sunbury	Townships Storrington, including Rideau waters from Brewer's Mills to south limit of the township with jurisdiction over all of Loughboro Lake and the lakes of the Township of Storrington.
Fleming, E.	Hastings	Village of Hastings.
Fox, Eben R.	Northport	For that portion of the Bay of Quinte fronting Township Ameliasburg east of Belleville Bridge, and also Township Sophiasburg, and over all the inland waters within Township Sophiasburg, and with joint jurisdiction with any other overseer over all inland waters in Township of Ameliasburg.
Fraser, J. A.	Prescott	St. Lawrence River from the head of Cardinal Rapids west to Rockport.
Gainforth, Wm.	Haliburton ..	Townships Stanhope, Guilford, Harburn, Dudley, Dysart and Minden, District of Hali-

LIST OF OVERSEERS.—*Continued.*

Name	Residence.	District.
Gallagher, Hugh ...	Eganville	County of Renfrew.
Gault, T. G.	Deseronto ...	Bay of Quinte, East Riding County of Hastings and for Moira River and other waters in said riding.
Gillespie, James ...	Berkeley	Electoral District of Centre Grey and for Township of Glenelg in South Grey.
Glass, Irving	Trenton	Bay of Quinte from City of Belleville west of the Trent River and for Trent River from its mouth to Chisholm's Rapids and for the tributaries thereto.
Gordon, Walter	Port Arthur ..	In and for the District of Thunder Bay.
Green, Adam	Diamond	Townships Huntley and Fitzroy, County Carleton.
Green, Geo. G.	Bradford	Holland River on the north side in Township West Gwillimbury westward to the forks of the river in County Simcoe.
Green, John	Marmora	Township of Marmora, County Hastings.
Gunter, Harvey ...	McRae P.O. ..	Townships of Grimsthorpe and Cashel in County Hastings, and with joint jurisdiction over Townships Tudor, Lake, Wollaston, Limerick, Faraday, Dungannon and Mayo, in said county.
Hayes, Henry	Murray	Bay of Quinte, as lies in front of the East Riding of Northumberland, for that portion of the River Trent, lying between the Townships of Sidney and the Bay of Quinte, and for the inland waters of the Townships of Murray, Dryden and Cramahe and Haldimand.
Hembruff, Jos.	Manitowaning.	Lake Manitou on Manitoulin Island and the streams tributary thereto.
Henderson, H. A. ..	Pelee Island .	For Pelee Island and the other islands in Lake Erie, south of the County of Essex.
Heneilley, F. H.	Warkworth ...	River Trent and tributaries, in County Northumberland from Percy Boom to Campbellford Bridge.
Hess, James	Hastings	Trent River and tributaries in County Northumberland, from Trent Bridge to Rice Lake.
Hewitt, James	Honey Harbor	Province of Ontario.
Holliday, Henry ...	Wolfe Island..	Township of Wolfe Island and for the islands of Simcoe, Garden and Horseshoe, and any other islands comprised in the Township of Wolfe Island.
Hood, Geo., Sr.	Scugog	For the Township of Reach in the County of Ontario, and for the Township of Mariposa in the County of Victoria and over so much of the waters of Lake Scugog as lies in front of the said townships, and for the westerly half of Scugog Island, and over the waters of Lake Scugog fronting thereon.

LIST OF OVERSEERS.—*Continued.*

Name.	Residence.	District.
Howell, James	Bancroft	Townships Faraday, Dungannon and Herschell, in County Hastings.
Huffman, E. M.	Hay Bay	Townships of Richmond, Adolphustown, North and South Fredericksburg with jurisdiction over Hay Bay and Bay of Quinte, in Counties Lennox and Addington.
Hunter, William ...	Tehkummah ..	Manitoulin Island in Lake Huron.
Jermyn, J. W.	Wiarton	Georgian Bay, County of Bruce, lying east and south of Tobermory Harbor, but exclusive of the said Harbor.
Jickling, Chas.	St. Paul's Station.	County Perth and for Townships East Nissouri and Eastand West Zorra, in County Oxford.
Johnson, John	Port Hope ...	Townships Hope and Cavan, in the County of Durham, with joint jurisdiction with any other Game and Fishery overseer or overseers over County Durham.
Johnson, Henry ...	Brantford	That part of Grand River lying between the southerly boundary of Town of Galt and the boundary line between Tuscarora and Onondaga Townships in County Brant and the Townships of Seneca and Oneida in Haldimand County; also concurrent jurisdiction with Overseer Kern over Tributaries to the Grand River in Burford, Oakland and Brantford Townships west of Grand River.
Johnston, D.	Peterboro' ...	River Otonabee and tributaries, between the Canadian Pacific Railway Crossing in Peterborough, and the mouth of the River and Rice Lake, Township South Monaghan.
Johnston, Thos.	Royston	Townships of Lount, Machar, Laurier, Croft, Chapman, Strong, Jolly, Spence, Ryerson, Armour, Proudfoot, Monteith, McMurrich, Perry and Bethune, District of Parry Sound.
Johnston. W. H.....	Harwood	Rice Lake, in the Townships of Hamilton and Alnwick, County Northumberland.
Jones, David	Welland	County of Welland.
Jones, John	Fenelon Falls.	For the north end of Sturgeon Lake, and Cameron Lake to Rosedale Locks, Burnt River and Rosedale River in the County of Victoria.
Kehoe, D.	Millarton	That portion of County Bruce lying South of Indian Reserve and Township of Amabel with jurisdiction over Lake Huron in front of said county, south of Southampton.
Kennedy, John	Meaford	County of Grey, exclusive of Townships of Proton, Egremont and Normandy.
Kent, A. J.	Bewdley	Rice Lake from Ley's Point on the south shore of said lake around the head of Lake to Barnard's Bay on the north shore of Rice Lake.

LIST OF OVERSEERS.—*Continued.*

Name.	Residence.	District.
Kern, Jacob	Burford	County of Brant, comprising Townships of Burford, Oakland and Brantford, west of Grand River, but exclusive of said River.
Kerr, C. J.	Hamilton .. .	County of Wentworth.
Knight, C. H.	Byng Inlet . .	For the River Magnetawan, and for the waters of Georgian Bay lying between said river and French River.
Kraft, Samuel	Ridgeway ..	In and for Electoral District of Welland, with jurisdiction over so much of the waters of Lake Erie and the Niagara River, exclusive of the waters of said river north of the Niagara Falls, as lies in front of the said Electoral District.
Laframboise, Remi..	Canard River.	Detroit River, fronting Townships of Sandwich, West Anderdon and Malden, and also Canadian Islands in said River, County Essex.
Lambkin, Richard .	Loring	Townships of Harrison, Burton, McKenzie, Ferrie, Wallbridge, Brown, Wilson, Mills, Pringle, Gurd, Himsworth, Nipissing, Patterson, Hardy, McConkey, Blair, and Mowat, in the District of Parry Sound.
Langford, Newton .	Dorset	Townships McLean, Ridout, Franklin and Brunel, District of Muskoka, and Townships McClintock, Livingstone, Sherbourne and Havelock, District of Haliburton.
Laughington, Henry.	Parry Sound..	For the Township of Shawanaga, Ferguson, Carling, McDougal, McKellar, Christie, Foley, Parry Island, Cowper and Conger in the District of Parry Sound.
Leadley, Robt.	Barrie	For the Township of Vespra and the Town of Barrie, in the County of Simcoe, and over so much of the waters of Kempenfeldt Bay as lies in front of the said town and township; also, that portion of Kempenfeldt Bay, lying in front of the Township of Oro.
Lean, Wellington ..	Apsley	Tps. of Anstruther and Chandos, County of Peterboro'.
Lee, Edward	Lowbanks	Townships of Moulton, Sherbrooke and Wainfleet, in the District of Monck and Lake Erie.
Leitch, P. A.	Nepigon	River and Lake Nepigon.
Little, Richard	Wallaceburg .	County of Kent, fronting on Lake St. Clair, exclusive of Dover West Township, also Walpole and Ste. Anne's Islands, County Lambton.
Loveday, E. T.	Ottawa	In and for the Townships of Nepean, Gloucester, North Gower and Osgoode, in the County of Carleton, with jurisdiction over so much of the River Ottawa and the River Rideau and the Rideau Canal as lies in front or within said Townships, and over the tributaries to the said rivers and canals.

LIST OF OVERSEERS. *Continued.*

Name.	Residence.	District.
McAllister, J. R. ...	Gore's L'nding	Rice Lake, between Jubilee Point and Lower Close's Point and the waters tributary thereto, in the Tps. of Hamilton and Alnwick, Co. of Northumberland.
McClennan, Kenneth	Grovesend .	Townships of Yarmouth, Malahide and Bayham, with jurisdiction over so much of the waters of Lake Erie as lies in front of the said townships and the tributaries thereto.
McEwen, A.	Aldboro'	Townships of Southwold, Dunwich and Aldborough, exclusive of the River Thames, with jurisdiction over so much of Lake Erie as lies in front of the said townships and tributaries thereto.
McGinn, William ...	Orillia	Townships of Orillia, and Oro, in the County of Simcoe, and over so much of Shingle and Carthews Bays, and Lakes Couchiching and Simcoe, as lies in front of said townships and over River Severn.
McGuire, J.	Jones Falls .	Rideau River, fronting on the Township of South Crosby, County of Leeds.
McIntyre, A.	Keene	Tps. of Otonabee and Asphodel in Co. of Peterboro'.
McKelvie, D.	New Liskeard.	Lake Temiskaming and tributaries.
McMurray, R.	Bayfield ...	County of Huron.
McNairn, James ...	Iroquois	River St. Lawrence fronting on County of Dundas.
McPhee, D.	Uptergrove ...	Lake Simcoe, fronting on Tp. of Mara and the tributaries thereto, and for Mud Lake, in the Townships of Mara and Carden.
McVittie, James	Blenheim	Lake Erie fronting on Co. Kent, together with inland waters of said Co. tributary to Lake Erie.
Macdonald, Hector .	Beaverton ...	Lake Simcoe and tributaries thereto fronting on Tp. of Thorah,, in County of Ontario.
Major, William	Woodlawn	Townships of March and Torbolton, County Carleton.
Maltby, William	Nipissing	South River, and South Bay, with joint jurisdiction with any other overseer, or overseers who have been or may hereafter be appointed.
Mansfield, Thomas .	Pickering	Electoral District of South Ontario, exclusive of the Township of Reach.
May, J. C.	St. Catharines.	County of Lincoln and over so much of the waters of Lake Ontario as lies in front of the said county, and with jurisdiction over the Niagara River between its mouth and the Falls.

LIST OF OVERSEERS.—*Continued.*

Name.	Residence.	District.
Mayor, Harry	Painswick . .	Lake Simcoe, from Lovers' Creek, near Barrie, on Kempenfeldt Bay, to concession 10 of the said Township of Innisfil.
Merriam, Enoch ...	Harwood	Rice Lake, Townships Hamilton and Alnwick, between Close's Point and Rock Island and waters tributary thereto, County of Northumberland.
Myers, James	Orchard	Townships of Proton, Egremont and Normanby, County Grey, and Townships Minto, Arthur and West Luther, County Wellington.
Moffatt, George	Glencross	Townships of Mulmur, Mono and East Garafraxa.
Moore, F. J.	Lakefield	Townships of Douro, Dummer, east part of Smith, Tp. of Burleigh and east half of Harvey, Co. Peterboro'.
Morton, John	St. Ola	Townships Limerick, Tudor, Wollaston, Cashel Lake and Grimsthorpe, County Hastings.
Murdoch, John	Bath	Townships of Adolphustown, South Fredericksburg, Ernestown and Amherst Island, County Lennox and Addington.
Nicholls, Peter	Bridgenorth ..	Chemong Lake, Lovesick Lake and Deer Bay, County Peterboro'.
Oliver, R. C.	Little Current.	District of Algoma lying east of Algoma Mills, including Cockburn and Manitoulin Islands.
Osborne, Henry	Dante	River Thames, between the Village of Lewisville and the easterly limits of Kent County.
Ostrom, B. B.	Frankford ...	The Trent River from its mouth to Chisholm's Rapids, and tributaries thereon, and to Trenton Junction.
Parker, H. B.	Bobcaygeon ..	In and for the Township of Verulam in the County of Victoria and the Tp. of Harvey in the County of Peterboro'.
Parkin, C. W.	Valentia	Townships Mariposa and Ops, County Victoria.
Patterson, S.	Dunkerron ...	Holland River known as the north and west branches in Tps. Tecumseh, and West Gwillimbury, in Co. Simcoe.
Peltier, Theo.	Dover South..	River Thames from Lewisville to its mouth, also the tributaries of said river between these points; also the Township of Dover West, County Kent.
Phillips, J. H.	Smith's Falls.	County Frontenac lying north of the Townships of Kingston and Pittsburg, the Townships of North and South Crosby, Bastard, South Elmsley and Kitely, County of Leeds, and the County of Lanark.
Pierce, J. P.	Port Rowan..	County of Norfolk.

LIST OF OVERSEERS.—*Continued.*

Name.	Residence.	District.
Pilon, Phillippe	Sudbury	For the Townships of McKim, Broder, Dill, Neelon, Garson and Blezard in the District of Nipissing.
Poupore, Andrew ...	Westmeath ...	For that portion of the River Ottawa lying between Deux Joachim and Fort Coulonge.
Purcell, H. R.	Colebrook	Townships Camden, Sheffield, Kaladar and Barrie.
Raphael, J. C.	Mallorytown ..	Townships of Front of Yonge and Elizabethtown in the County of Leeds and over the waters of the River St. Lawrence fronting the said townships.
Rivet, Jos.	Sturgeon Falls	That portion of the District of Nipissing lying west and north of the Townships of Widdifield, Merrick, Stewart and Osborne, exclusive of Lake Temiskaming and its tributaries.
Robertson, C.	Hillsburg	Townships of Erin and West Garafraxa.
Robertson, D.	Southampton .	County Bruce fronting Lake Huron, lying between Southampton and Tobermory Harbor.
Robinson, T. W. ...	Collingwood ..	Townships Collingwood and Osprey, County of Grey, and the Townships of Nottawasaga and Sunnidale, County of Simcoe.
Robinson, Wm.	Kilworthy ...	Severn River and Sparrow Lake.
Russell, Wm.	Cornwall	In and for the Counties of Stormont and Glengarry, with jurisdiction over so much of the River St. Lawrence as lies in front of the said counties.
Sargent, W. J.	Bronte	County of Halton, also County of Wentworth north of the canal, and Lake Ontario.
Sinclair, N.	Glenarm	Balsam Lake, County of Victoria.
Slate, George	Rockport	River St. Lawrence between Jackstraw Light and Mallorytown Landing.
Small, John	Grand Valley.	Townships of Melancthon, Amaranth and East Luther, County Dufferin.
Smith, William	Gravenhurst .	Lakes Muskoka, Rosseau and Joseph, in the District of Parry Sound.
Spence, William ...	Athens	Charlestown Lake and its tributaries, County Leeds.
Stanzel, Fred.	Carleton Place	Townships Beckwith, Drummond, Ramsay and Pakenham in County Lanark, and Townships Fitzroy, Huntley and Goulbourn in County Carleton, with joint jurisdiction over the waters of the Township Drummond with any other overseer.
St. Charles, C.	Madoc	Townships Madoc and Huntington, County Hastings.

LIST OF OVERSEERS.—*Continued.*

Name.	Residence.	District.
Storie, R. B.	Escott	Escott Lake, in the Township of Front of Escott, County of Leeds.
Stuart, D.	Codrington ...	Trent River and tributaries, County of Northumberland, from Chisholm's Rapids to Percy Boom.
Switzer, W. H.	Gooderham .	Townships of Snowdon, Glamorgan, Monmouth, Cardiff, and Harcourt, District of Haliburton.
Tarry, A. E.	Toronto	Townships of Etobicoke, York and Scarboro, and for the City of Toronto, in the County of York, with jurisdiction over the inland waters of said Tps., and also over Toronto and Ashbridge's Bays, and so much of the waters of Lake Ontario as lies in front of the County of York.
Taudvin, J. W.	Kingston	For the City of Kingston, and for the waters fronting the County of Frontenac.
Taylor, Fred.	Huntsville ...	For the Townships of Stephenson, Stisted, Chaffey, Sinclair and Brunel, in the District of Muskoka.
Temple, Jas. M.	Dorchester Stn	Thames River, easterly to the boundary line between Oxford and Middlesex.
Thompson, Henry ..	Brechin	Lake Simcoe and tributaries fronting on Tp. of Mara.
Thurlow, George ...	Nairn Centre.	For the Townships of Merritt, Nairn, Lorne and Baldwin, in Dist. Algoma.
Tillett, R.	Roach's Point.	North York, with jurisdiction over Holland River and that portion of Lake Simcoe lying in front of North Gwillimbury and Georgina Townships.
Timlin, M.	Atherley	Lake Couchiching and tributaries fronting Townships Mara and Rama.
Titus, E. A. ...	Wellington ...	For that portion of the Bay of Quinte fronting on Tp. Ameliasburg lying west of Belleville Bridge, also for the waters of Lake Ontario fronting on Tps. Ameliasburg and Hillier, with the exception of Village of Wellington, and including Weller's Bay, Consecon Lake, and all inland waters in said townships.
Toner, George	Gananoque ...	River St. Lawrence from foot of Howe Island to Rockport, and with joint jurisdiction with any other overseer or overseers over the Gananoque River from Gananoque to Marble Rock.
Toole, Ira	Omemee	Township of Emily, County of Victoria.
Townsend, J.	Long Point ..	Lyndhurst waters south of Lyndhurst; also South and Gananoque Lakes.

LIST OF OVERSEERS.—*Continued.*

Name.	Residence.	District.
Traves, J. A., Sr....	Fraserburg ...	For the District of Muskoka, with joint jurisdiction with any Game and Fisheries overseers who have been or may be appointed over the District of Parry Sound.
Turner, S.	London	City of London, with joint jurisdiction over the County of Middlesex with any other overseer or overseers who have been or may hereafter be appointed.
Twamley, C.	Cavan	Townships Cavan and Manvers.
Vokes, James	Nanticoke .. .	Townships Walpole, Rainham, South Cayuga and Dunn, County Haldimand.
Walker, R. J.	Port Credit ..	Lake Ontario, fronting County Peel, and for Rivers Credit and Etobicoke, tributary to said lake.
Wartman, H. E. ...	Portsmouth ..	For the Township of Kingston in the County of Frontenac.
Watson, Hy.	Toronto	Province of Ontario.
Watson, J.	Cæsarea	Townships of Cartwright and Manvers, the waters of Lake Scugog fronting on said townships and the waters tributary to said lake.
Watt, John	Peterborough .	River Otonabee and tributaries lying between the Canadian Pacific Railway Crossing in Peterboro' and the Village of Lakefield.
West, Chas.	Holland Ldg.	Joint jurisdiction along the east bank of the Holland River, through the Township of East Gwillimbury and along the shore of Lake Simcoe, through Township of North Gwillimbury in the County of York.
West, Geo. W.	Holland Ldg. .	With joint jurisdiction along east bank of Holland River, through Township of Gwillimbury, and along the shore of Lake Simcoe, through Township of North Gwillimbury, in the County of York.
Wight, J. R.	Newboro'	For the Township of North Crosby extending to Smith's Falls on Rideau waters, together with the inland lakes and tributaries thereto.
Wigle, L.	Leamington ..	Township of Malden, North Colchester, South Colchester, North Gosfield, South Gosfield and Mersea, in the County of Essex, with jurisdiction over so much of the waters of Lake Erie as lies in front of said Townships.
Williams, J. T.	Penetang	Townships of Matchedash, Tay, Medonte, Tiny, Floss, County of Simcoe, and over Christian, Beckwith and Giant's Tomb Islands.
Wilson, H.	Elphin	Townships of Dalhousie and North Sherbrooke, County of Lanark.

LIST OF OVERSEERS.—*Concluded.*

Name.	Residence.	District.
Wood, John	Parry Sound .	Townships McKenzie, Hagerman, Burpee, Burton and Ferrie.
Worden, F.	Courtice	County of Durham.
Wornnoorth, F. L..	Arden	Townships Kennebec and Barrie, County Frontenac.
Wright, W. J.	Ice Lake	Kagawong Lake on Manitoulin Island, District of Algoma.
Younghusband, D. ..	South March .	Townships March and Nepean, County Carleton.

STATEMENT of Revenue received from the Game and Fisheries during the year ended October 31st, 1909.

GAME.	$ c.	$ c.
Deer Licenses, 1908	177 75	
" 1909	238 50	
Moose Licenses, 1908	19 50	
" 1909	160 15	
Non-resident Licenses, 1908	125 00	
" " 1909	1,975 00	
Game Dealers' " 1909	356 00	
Hotel and Restaurant, 1909	67 00	
Cold Storage Licenses, 1909	100 00	
Guides' Licenses, 1909	1,992 00	
Fines, 1909	2,408 69	
Confiscations, 1909	629 98	
		8,249 57

FISHERIES.

District.	Name of Overseer.	Amount. $ c.	$ c.
Lake of the Woods and Rainy River District.	Blanchard, F.	234 00	
	Sterling, C. N.	1,027 00	
			1,261 00
River Nepigon	Leitch, P. A.	983 00	
			983 00
Lake Superior	Armstrong, F. C.	14 00	
	Calbeck, A.	2,036 00	
	Gordon, Walter	2,947 78	
	Jackson, H. T.	6 00	
	Johnston, Thomas	4 00	
			5,007 78
Lake Huron (North Channel)	Bradbury, J. R.	16 00	
	Craig, T. A.	42 50	
	Dunn, E.	2 00	
	Graham, W. J.	96 00	
	Hembruff, Joseph	56 00	
	Hunter, William	38 00	
	Oliver, R. C.	7,098 25	
	Pitfield, George	191 00	
	Thurlow, George	4 00	
	Vincer, William.	10 00	
			7,553 75
Georgian Bay	Dusang, B. A.	512 58	
	Jermyn, J. W.	843 00	
	Kennedy, John	795 00	
	Knight, C. H.	983 15	
	Laughington, Henry	1,144 50	
	Malcolmson, J.	4 00	
	Robinson, T. W.	315 00	
	Williams, J. T.	342 00	
	Wood, G. A.	92 00	
	Wood, P. V.	26 00	
			5,057 23
Lake Huron (proper) and River St. Clair	Blunden, H. A.	3,842 00	
	Jack, James	15 98	
	Karr, Richard	123 00	
	Kehoe, Daniel	389 00	
	McMurray, R.	982 00	
	Robertson, D.	1,358 00	
	Sarvis, A. E.	2 00	
			6,711 98
	Carried forward		26,574 74

STATEMENT of Revenue received—Continued.

District.	Name of Overseer.	Amount.	
		$ c.	$ c.
	Brought forward		26,574 74
Lake St. Clair, River Thames and Detroit River.	Campbell, J. D.	10 00	
	Chambers, Thomas	55 00	
	Chauvin, Victor	1,420 60	
	Crotty, John	18 00	
	Holman, Benj.	151 00	
	Laframboise, Remi	310 00	
	Little, Richard	1,283 50	
	Osborne, Henry	62 00	
	Potter, T.	678 50	
	Weldon, J. O.	52 38	
			4,040 98
Lake Erie and Grand River	Briggs, T. J.	229 50	
	Buckley, George	2,056 00	
	Burt, William	10 00	
	Ivers, John	74 00	
	Greenwood, T. D.	85 00	
	Henderson, H. A.	1,168 00	
	Johnson, Henry	16 32	
	Jones, David	40 00	
	Kraft, Samuel	341 50	
	Lee, Edward	1,423 00	
	McClennan, Kenneth	3,150 25	
	McEwen, A.	3,200 00	
	McVittie, James	6,712 00	
	Moriarity, J. J.	42 00	
	Phemister, George	216 00	
	Pierce, J. P.	3,092 00	
	Scott, William	140 00	
	Staunton, W. F.	10 00	
	Vokes, James	2,935 25	
	Wade, Lewis	1,732 00	
			26,672 82
Lake Ontario and Bay of Quinte	Brisbon, Angus	701 00	
	Conger, David	246 00	
	Fox, E. R.	783 00	
	Gault, Thomas	635 00	
	Glass, Irvine	173 00	
	Hayes, Henry	121 00	
	Holliday, Henry	45 00	
	Huffman, E. M.	1,045 50	
	Hunter, Alfred, Capt.	337 50	
	Kerr, C. J.	487 32	
	McGlynn, P. J.	64 00	
	Mansfield, Thomas	16 00	
	Murdoch, John	904 00	
	Needham, W.	8 00	
	May, J. C.	717 00	
	Reeves, H. J.	72 00	
	Sergeant, W. J.	323 00	
	Telfer, J. A.	66 00	
	Titus, E. A.	238 00	
	Wadsworth, C.	19 00	
	Wood, W. R.	176 00	
	Worden, Frank	2 00	
	Wright, E. P.	56 00	
			7,629 32
Counties Frontenac, Leeds, Prescott, Russell, Carleton, Renfrew, Lanark, Grenville.	Andrews, Samuel	18 00	
	Barr, George	20 00	
	Birch, W. J.	22 00	
	Botting, Peter	13 00	
	Bourgon, J. B.	102 00	
	Carried forward		64,917 86

STATEMENT of Revenue received—Continued.

District.	Name of Overseer.	Amount.	
		$ c.	$ c.
	Brought forward.....		64,917 86
Counties Frontenac, Leeds, Prescott, Russell, Carleton, Renfrew, Lanark, Grenville—Continued.	Boyd, J. H.....	19 00	
	Briscoe, W. L.....	5 00	
	Burke, George.....	8 00	
	Burns, D. E.....	5 00	
	Covell, H. N.....	1 00	
	Davis, J. W.....	62 00	
	Devine, John.....	11 00	
	Donaldson, W. J.....	15 00	
	Drew, Henry.....	181 00	
	Esford, Henry.....	252 00	
	Fisher, James.....	316 00	
	Fraser, J. A.....	30 00	
	Lambkin, Richard.....	6 00	
	Langford, Newton.....	104 00	
	Loveday, E. T.....	19 00	
	McGuire, John.....	585 45	
	Mallett, W. H.....	52 00	
	Phillips, J. H.....	252 00	
	Shillington, N.....	72 00	
	Spence, William.....	62 00	
	Taudvin, J. W.....	677 00	
	Townsend, James.....	178 00	
	Wartman, H. E.....	11 00	
	Wight, J. R.....	312 00	
	Wornnoorth, F. L.....	18 00	
			3,428 45
Peterboro, Northumberland, Victoria and other inland counties.	Bennett, E. C.....	22 00	
	Best, S. G.....	40 00	
	Blezard, Daniel.....	55 60	
	Bradshaw, A.....	7 00	
	Burtcheall, C.....	32 00	
	Cassan, C. H.....	166 00	
	Cheer, T. H.....	378 00	
	Clarkson, William.....	185 00	
	Crump, C. J. C.....	16 00	
	Cunningham, J. A.....	6 00	
	Fenety, E. F.....	28 50	
	Gaudrie, E. W.....	6 00	
	Gouldie, E. J.....	12 00	
	Green, John.....	40 00	
	Gunter, R. H.....	10 00	
	Hess, J. H.....	26 00	
	Johnson, W. H.....	2 00	
	Johnston, David.....	2 00	
	Johnston, T. H.....	32 00	
	Jones, John.....	79 00	
	Kent, A. J.....	6 00	
	Killen, William.....	38 00	
	Lean, Wellington.....	36 00	
	McAllister, J. R.....	134 00	
	McConkey, R.....	28 00	
	McDevitt, T. G.....	24 00	
	McElwain, S. C.....	18 00	
	McIntyre, A. W.....	2 00	
	McLean, A.....	17 50	
	Merriam, Enoch.....	80 00	
	Mills, W. F.....	12 00	
	Moore, F. J.....	420 00	
	Morton, J. W.....	54 00	
	Nichols, Garner.....	403 00	
	Nichols, Peter.....	114 00	
	Ostrom, B. B.....	21 00	
	Parker, H. B.....	96 00	
	Carried forward.....		68,346 31

STATEMENT of Revenue received—Concluded.

District.	Name of Overseer.	Amount.	
		$ c.	$ c.
	Brought forward		68,346 31
Peterboro, Northumberland, Victoria and other inland counties—Continued.	Parkin, C. W.	6 00	
	Purcell, H. R.	61 00	
	Rice, M. A.	38 00	
	Robinson, William	322 00	
	Simpson, Joseph	10 00	
	Smith, William	124 00	
	Small, John	2 00	
	Switzer, W. H.	20 00	
	Taylor, F.	24 00	
	Toole, Ira	32 00	
	Watt, John	85 00	
	Watson, John	4 00	
	Widdup, J. W.	48 00	
	Willmott, J. H.	290 00	
			3,714 60
River St. Lawrence	Russell, William	8 00	
	Senecal, John	23 00	
	Toner, George	23 00	
			54 00
Lakes Simcoe, Couchiching and Sparrow	Coulter, S.	5 00	
	Hines, John	4 00	
	Leadley, R.	13 00	
	McDonald, Hector	74 00	
	McGinn, William	64 00	
	McPhee, Donald	16 00	
	Mayor, Harry	4 00	
	Tillett, R.	36 00	
	Timlin, Michael	12 00	
	Thompson, H. S.	2 00	
			23000
Nipissing	McDonald, S. C.	928 00	
	McKelvie, Daniel	75 00	
	Parks, G. M.	178 00	
	Reid, C. R.	32 00	
	Rivet, Joseph	4 00	
			1,217 00
Unclassified	Licenses issued from Office	722 25	
	Fines	113 62	
	Sale of confiscated tug	400 00	
			1,235 87
	Total Fisheries		74,797 78
	Total Game		8,249 57
	Total		83,047 35

On the Queenston and Grimsby Stone Road in Lincoln County.

ANNUAL REPORT

ON

Highway Improvement

Ontario

1910

PRINTED BY ORDER OF

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To His Honour Hon. J. M. Gibson,

Lieutenant-Governor of Ontario.

May it Please Your Honour:—

I herewith beg to present for your consideration the annual report relating to Highway Improvement in the Province of Ontario.

Respectfully submitted,

J. O. Reaume,

Minister of Public Works.

To the Honourable J. O. REAUME,

Minister of Public Works.

SIR,—I have the honour to transmit to you the annual report on Highway Improvement in Ontario.

I have the honour to be,

Sir,

Your obedient servant,

A. W. CAMPBELL,

Deputy Minister of Public Works.

Parliament Buildings, Toronto,
February 9th, 1910.

ANNUAL REPORT

ON

HIGHWAY IMPROVEMENT

By W. A. McLean, C.E., Provincial Engineer of Highways.

COUNTRY ROADS.

Road construction has, during the past year, attracted much public attention. This is due largely to a growing appreciation of the national importance of good roads as distinguished from their purely local value. Good roads benefit the farms by which they pass, just as improved town streets increase the value of adjacent property. But good country roads do vastly more than this.

They are of value to the villages, towns and cities to which they converge. They are a necessary weight in preserving the balance of food prices. They are essential in making the business of farming what it is destined to be in Ontario—the most attractive of occupations.

The common highways carry all the traffic of the railways—and more, for light driving is to-day in excess of heavy teaming. As a factor in social conditions, food prices, commerce and transportation, their influence is inestimable.

The past tendency has been to look too much at the individual mile of road, instead of regarding the broad network of highways as a great public work requiring careful organization and systematic management.

Township Road Expenditure.

Township money expenditure in the twenty years 1889-1908 has amounted to $19,015,343, and statute labour in 1908 was 1,141,976 days. Estimating statute labour at one dollar a day, this would be equal to a total outlay in twenty

A Stone Road in Prince Edward County. In decided contrast with roads not finished with a roller.

years on township roads alone of $30,435,103. The cash expenditure of townships has more than doubled since 1889, in which year it was $677,564; while in the year 1908 it amounted to $1,403,211. With statute labour at one dollar a day, the total township expenditure in 1908 had a value of $2,545,187. Details as to townships will be found elsewhere in this report.

The money is largely expended in conjunction with statute labour, so that statute labour methods dominate the results. Ordinary township methods of road-making do not produce strong enough roads to support traffic, so that there is a continual breaking down of the work. The expenditure is too largely scattered in incomplete patches instead of concentrating upon the gradual extension of permanent work, such as is the rule under county road systems.

That better results have not been produced by township expenditure is due largely to the system of management, which depends on annually changing councils and pathmasters. The work is one requiring years to carry out, but systematic improvement extending over a term of years is impossible under this form of management.

Each township council should place the management of road improvement under one road superintendent, with tenure of office similar to that of a township clerk or treasurer. Statute labour should be replaced by a uniform rate on the township assessment. By selecting a good man for the position of superintendent, centralizing responsibility in him, his growing experience will be of increasing value, and much better results should accrue from the expenditure available.

County Road Expenditure.

Seventeen counties have established county road systems under the Highway Improvement Act. These are: Carleton, Frontenac, Halton, Hastings, Lanark, Leeds and Grenville, Lennox and Addington, Lincoln, Middlesex, Oxford, Peel, Perth, Prince Edward, Simcoe, Waterloo, Wellington, and Wentworth.

The Act is applicable to thirty-seven counties, so that nearly one-half of the Province is working under the Act.

The Act was passed in 1901, and in the next year the County of Wentworth created their present county road system; this being followed in 1903 by the Counties of Simcoe, Wellington, and Lanark. With this nucleus, the number of county systems has steadily grown. In 1909, the last two counties, Leeds and Grenville, and Carleton, passed the necessary by-laws.

To the end of 1909, the average has been equal to fifteen counties, each operating for four years, in which period 1,125 miles of stone, or good gravel roads, have been built. This neglects a large amount of minor, incomplete and scattered improvements which will eventually be a part of the permanent work.

Expenditure under the Act since 1902 has been as follows:

Toll roads purchased	$153,897.98
Sundry grants to townships, villages and towns	89,957.02
Permanent bridge construction	366,225.21
Machinery, plant, etc.	113,544.84
Road construction and supervision	1,404,497.88
Total	$2,128,122.93

Of this amount the counties have spent $1,418,748.63. The Provincial expenditure, extending over eight years, has been $709,374.30, the Province contributing one-third of the total, or one dollar to each two dollars raised by the counties.

Combining the items of road construction and supervision (the latter about $75,000), the total cost of road construction is $1,104,197.88. With 1,125 miles of road built, the average cost per mile has been approximately $1,250. This, as previously stated, neglects a large amount of incomplete and scattered work, so that the average cost per mile would be less.

County Roads.

The Act to Aid in the Improvement of Public Highways provides that a county council may by by-law assume a system of county roads.

The county council determines the roads to be so assumed, but the by-law, with an estimate of the cost of proposed improvement, is subject to approval by Order-in-Council through the Minister of Public Works.

Having been so approved, the county is entitled to receive one-third of the county's expenditure on construction.

The Government grant is payable to the county at the close of each year, as the work progresses.

The roads assumed should be leading market roads, such as will best serve local requirements, but should form a connected system as far as practicable.

The Act makes provision for exceptional conditions, by permitting the county to make special grants to municipalities not equally benefited by the county road system.

The work done on the roads is under the direction of the county council, subject to the Regulations of the Department of Public Works with respect to Highways.

Objects of the Act.

The chief objects of the Act are three in number:

(1) To encourage a business-like system of road management.

(2) To build a system of main roads.

(3) To create an object lesson in management and construction for township municipalities.

To these may be added a fourth—the more equitable distribution of the cost whereby, through the Provincial grant and a general county tax, cities and towns in some degree contribute to the cost.

Superintendent.

First importance is attached to the system of management. On this the success of any county system depends. The regulations of the Public Works Department require that the management be centralized in a county road superintendent (or engineer). The requirement is merely that the organization of a joint stock company be followed, viewing the property owners of the county as stockholders, the council as a board of directors, and the road superintendent, a manager carefully selected by the council because of his qualifications for the position. If he is a capable man, his services through experience will grow more valuable to the county. Permanency of this kind is doubly necessary owing to the annual change in councils. The Provincial Highway Branch cannot keep in touch with the individual members of an annually rotating council, but can assist in getting the best and most economical results through one permanent manager.

Foremen.

On each of the works the superintendent is expected to place a foreman. The foreman will receive his instructions as to how the work is to be done from the superintendent, and the foreman's essential qualification will be his ability to

organize and control the labour to the best possible advantage. A first-class foreman is the most valuable part of any contractor's equipment. For a thoroughly efficient foreman a contractor will pay the highest market price, for he knows that the cost of the work may easily be one-half under one foreman of what it is under another. As with the superintendent (or engineer), these foremen should be retained as permanently as possible, so that their growing experience will make their services of increasing value to the county.

The regulations under which the road superintendent and foremen work do not define one fixed standard of road for the entire Province to which all county roads must be sand-papered. Differences of soil, road material, traffic, condition

A Culvert in Oxford County. The Concrete Head Walls are carried below frost line.

of road before improvement, drainage requirements and other local circumstances are to be considered by the superintendent. The superintendent is expected to make the best use of conditions as he finds them in the locality. In doing this, he is to follow the underlying principles of road construction. Where he fails to do so, he has not followed the requirements of the Department in either one extreme or the other. While the regulations state general principles, there is at the same time a type which is considered most suitable for a county road.

Suitable Type of Road.

This consists of an earth turnpike 24 feet shoulder to shoulder of ditches. The camber or crown averages one inch to the foot from side to centre—12 inches in a 24-foot road. The centre is metalled with broken stone or first-class gravel

from 8 to 14 feet wide, and 8 inches in centre thickness after thorough consolidation by rolling. The road should have easy flowing grades with low spots filled and high places cut down. The open drains should have sufficient capacity and fall for storm flow, and tile underdrains should be laid as conditions require. Good drainage and grading are essential.

Drainage.

Roads are to be built so that they will drain. In constructing a new road, the first thing is to so turnpike the road that it is levelled, with easy flowing grades, and, if practicable, raised above the adjacent land, by soil from the open drains. The road surface is to be given a crown, or camber, so that water will flow from the roadbed to the drains; and these open drains or gutters must have a constant fall to a free outlet. When first considering the construction of a road, decide where the outlets for water are, and where the natural flow of water to these outlets commences. Then grade the roads and open the drains so that all water will flow quickly. Water must flow away, not soak away.

If the soil is still in a wet and weak condition tile underdrains are to be used. Tile underdrains "lower the water line"—that is, they keep a stratum of reasonably dry soil underneath the surface covering. They have the same effect on the road as deep open drains would have; or such as a high grade of the kind railways build, would have.

Old Roads.

Old stone and gravel roads are to be improved by grading away the soft earth and sod shoulders; then restoring the crown by adding a covering of new stone or gravel. The soft material from the edges of these roads should never be used to crown an old stone roadbed. It merely turns to slush and mud in wet weather. This sod and loam should be turned away from the roadbed, across the ditches if necessary. These roads may be graded and drained without gravelling; but never resurfaced with stone or gravel without grading.

Machinery.

Modern road-building machinery is required, and of these one of the most valuable is the steam roller. To build roads in stretches of a mile or more, leaving the gravel or stone loose and without rolling, creates a serious obstruction to traffic. One or more graders are necessary, and the use of all labour-saving equipment and methods is urged. A stone crushing outfit is required where a suitable local supply of field or quarry stone is available.

Bridges.

Bridges and culverts are to be of a permanent type. Steel trusses on concrete substructure, or reinforced concrete throughout, are the materials favoured.

Steel truss bridges are to be built in accordance with the specifications of the Public Works Department, and are to be under the direction of a competent engineer whose training is such that his certificate is a guarantee that these specifications have been carried out.

Patchwork is not Accepted.

Road building is to be done in stretches of reasonable length. That is, patchwork of the statute labour kind is not accepted. While the regulations are flexible, it is for the purpose of obtaining better, not inferior, results.

Raising Money Under the Highway Improvement Act.

The Highway Improvement Act permits county councils to raise money either by an annual levy, or by the issue of debentures with payments extended over thirty years.

The "pay-as-you-go" method, while desirable in many ways, is generally found to be burdensome, retards the proper progress of the work, and those who will follow in the use of the roads, and more especially the permanent bridges, escape payment of a just debt. Local conditions should influence the plan adopted.

If there are many large bridges to be built, it may be advisable to combine the two methods, paying for general road construction by an annual levy, and for bridges by the issue of debentures. The most permanent portions of the road improvement might also be met by the issue of debentures.

Where debentures are issued, an estimate of the annual cost may be of service, as there is frequent misunderstanding in this regard.

Of a total expenditure of $150,000 on a county road system, the Province contributes $50,000, and the county is required to raise $100,000. The annual payment to be made by the county on $100,000 extended over a period of 30 years at 4 per cent. interest is $5,783.

In counties of approximately $10,000,000 assessment, such as Welland, Lincoln, Brant, Dufferin or Haldimand, an annual payment of $5,783 would necessitate a tax rate of less than six-tenths of a mill. This on a farm assessed at $3,000 would be a tax of $1.80 yearly.

In counties of about $15,000,000 assessment, such as Carleton, Hastings, Norfolk, Prescott and Russell, Renfrew, Victoria, an annual payment of $5,783 would require a tax rate of less than two-fifths of a mill. This on a farm assessed at $3,000 would be a tax of $1.20 yearly.

Stone Crushing in South Oxford, using Coarse Gravel.

In counties of about $20,000,000 assessment, such as Dundas, Stormont and Glengarry, Durham and Northumberland, Elgin, Ontario, Essex, or Leeds and Grenville, an annual payment of $5,783 would require a tax rate of less than three-tenths of a mill. This on a farm assessed at $3,000 would be a tax of ninety cents yearly.

In counties of about $25,000,000 assessment, such as Bruce, Grey, Kent, Lambton, Perth, Oxford, or Waterloo, an annual payment of $5,783 would require a tax rate of less than one-quarter mill. This on a farm assessed at $3,000 would be a tax of seventy-five cents yearly.

In counties such as Huron or Middlesex, with a total assessment of about $35,000,000, there would be a tax rate of less than one-sixth mill for each $100,000 raised by the county. This on a farm assessed at $3,000 would be a tax of fifty cents yearly.

As previously pointed out, for each $100,000 raised by the county, the addition of the Provincial grant provides for a total expenditure of $150,000. Or $200,000 raised by the county would provide for a total expenditure of $300,000. In the latter case, the annual cost to be met by a farm assessed at $3,000 would be twice that named in the foregoing estimates.

WENTWORTH COUNTY ROADS.

The Wentworth County system, established in 1902, the first in the Province, has, with the work of this year, approached completion so far as macadamizing is concerned. The system comprises 140 miles of road, and about three miles are still to be macadamized.

The management of this work since its inception has rested with one county road superintendent, by whom foremen are appointed both for construction and maintenance, as occasion requires. In point of organization, the system is very satisfactory.

The metal used on the system has in general been a good quality of broken limestone, quarried and crushed by the county. The metal has been rolled to a good surface, the county owning two steam rollers.

In some cases there has been a tendency towards flatness, but this defect can be largely overcome by improving the drainage, which this system generally requires. Surface drainage, tile drainage and more frequent culverts are needed on these roads.

The machinery owned by the County consists of two steam rollers, a horse roller, five stone crushers, a steam drill, scrapers, plows and minor implements, the total cost of which was $12,181.72.

With an expenditure of $69,104 for the purchase of 32 miles of toll roads; $22,225.51 for machinery, quarries, plant, etc.; $8,224.62 for bridges, there has been expended on further construction $234,281.16. These roads vary in width of grade from 24 to 30 feet, and metal from 8 to 16 feet. The wider roads are in the vicinity of Hamilton. The County Road Superintendent is J. L. Taylor, Hamilton.

SIMCOE COUNTY ROADS.

The Simcoe County system was established in 1903, and includes 448 miles of road. Of this there has been completed 341 miles of gravel and 23 miles of stone road. The expenditure on this mileage to the end of 1909 was, for roads, $304,952.16; bridges, $33,145.94; machinery, $9,116.90.

The machinery comprises fourteen road graders, four horse rollers, three stone crushers, twenty slush scrapers, two gravel screeners, twelve wheel scrapers, and seven rooter plows. Machinery belonging to the townships is largely used when required.

Width of grade, shoulder to shoulder of ditches, is ordinarily 24 feet, but in 1909 there was variation from 20 to 26 feet. Metal (gravel or stone) is spread

to a width of 8 feet, and a depth of from seven to ten inches. Concrete tile, and concrete arches are used for culverts, and bridges are of a permanent type: reinforced concrete, or concrete abutments with steel superstructure. The County maintains a considerable number of large bridges. Attention has been given to drainage, by turnpiking with the graders, improving of open drains, and use of tile underdrains.

Limestone is plentiful in the northern part of the County and gravel is fairly so in the south. For the majority of the roads gravel is used. The management is under one county road superintendent, R. H. Jupp, Orillia.

LANARK COUNTY ROADS.

The Lanark County road system, established in 1903, comprises 98 miles of road, or about 12 per cent. of the total road mileage in the County. Twenty miles of toll roads were bought in 1903 at a cost of $19,346.60, the tolls removed, and the roads included in the County system. The metalling of all these roads is nearly completed, and the season of 1910 should finish this work. The total expenditure on construction at the end of 1909 was $101,799.61, and for machinery, quarries and plant, $11,332.69. Apart from culverts, there has been little expenditure on bridges.

The work is in charge of a county road superintendent, J. K. McIlquham,

A section of the "Sudbury-Soo Trunk Road."

Lanark, who personally supervises the main work in progress, and places foremen on other works, visiting these from time to time. The work to be undertaken each year is decided in council, upon the report of the road superintendent.

Crushed stone is principally used, as rock is plentiful and there is very little gravel. Field stone is generally used, being piled during the fall and winter by farmers of the locality, and paid for at a rate per cord.

The machinery and plant consists of a stone crusher, engine, portable separating bin, water tank, two graders, two rooter plows, three dump wagons, with minor implements. A camp outfit comprises a caboose, five tents, with blankets, stoves and cooking utensils. It is found of advantage to have a road camp for some of

Building a Broken Stone Road through Swamp in Oxford County.

the principal works, as the men and teams cannot readily find accommodation with farmers. By means of the camp, the men are always on the work ready to start as weather permits, while time and energy are not wasted in long walks three times a day.

OXFORD COUNTY ROADS.

A system of county roads was first established in the County of Oxford in 1904, when certain toll roads were purchased, the tolls were removed and the maintenance of these and other main roads provided for. The special Act under which this system was carried on having been found unsatisfactory, a new by-law was passed in 1907, when a system of 256 miles was assumed by the County. The total expenditure has been as follows:—Roads, $159,394.18; bridges, $40,773.61; machinery, $25,791.36. Fifty-eight miles of road have been graded, metalled, and fully tile drained.

The County, for road purposes, is divided into two divisions, North and South, over each of which there is a road superintendent who works under the direction of the county road committee.

The metal used consists principally of crushed gravel, procured from local gravel pits. This material is put through a crusher, screened, and is received into elevated bins, from which it is loaded into wagons. By means of these elevated bins, teams do not have to stand in the pit while the wagons are being loaded with shovels, but the wagons can be loaded from the bins in about three minutes each. The saving in this way is such that the cost of crushed gravel is very little in excess of the natural pit gravel. Discarded pits in which the natural gravel is too coarse can also be used, so that the saving in length of haul is, in many cases, considerable. In a few cases, natural pit gravel has been used, while near Tillsonburg quarry stone has been brought in by rail.

The machinery used by the County consists of two steam rollers, four stone crushers, two road graders, four wheel scrapers, one 25 h.p. traction engine, one 17 h.p. traction engine, one 20 h.p. portable engine, two tank sprinklers, five spreading wagons, seven dump carts, with minor articles.

The standard type of construction consists of an earth grade 26 to 28 feet from shoulder to shoulder, upon which is spread metal 8 feet wide, and from 8 to 10 inches in thickness. The roads are consolidated by rolling.

Over a considerable part of this work the tile and surface drainage is completed, and of a very satisfactory type. The outlets of tile drains are set in concrete head-walls. The Drainage and Water Courses Act is employed to obtain an outlet where required.

Bridges and culverts are of good type of concrete, and for long spans, concrete abutments with steel superstructure.

HALTON COUNTY ROADS.

The Halton County Roads system was established in 1907, and comprises 202½ miles of road, or about 30 per cent. of the total road mileage of the County. This mileage is found excessive, and is to a considerable extent handicapping the progress of the work. There are a great many small bridges throughout the County,

and these are being rapidly renewed with concrete and steel in a permanent manner. The total expenditure on these roads has been $71,946.59, of which $37,694.13 was for roads and $24,588.82 for bridges.

The machinery owned by the County consists of one steam roller, a stone crusher, two graders and two wheel scrapers.

Gravel, crushed field stone, and crushed gravel are used. Gravel is employed in its natural state largely in the Township of Esquesing; in Nassagaweya crushed stone is used, there being a large amount of field stone available; in Nelson crushed and screened gravel is the most suitable of local material; while in Trafalgar Township there is very little gravel or stone available. The "Hamilton Mountain" extends across the north-westerly part of the County, furnishing a quantity of quarry limestone.

The principal work to the present time has been some broken stone road near Moffatt in Nassagaweya; some broken stone and grading in the vicinity of Acton in the same township; some gravel road in the vicinity of Georgetown; a mile of macadam near Milton; a road metalled with crushed gravel near Burlington. A considerable number of scattered stretches have been built in other localities, tending principally to the permanent improvement of the worst pieces. The stoned roads in Halton are of a better class of workmanship than are the gravel roads, owing to the more general use of the steam roller on the former. The standard type of road consists of an earth grade 24 feet wide, metal 8 feet wide and 10 to 12 inches in thickness.

The work is in charge of a county road superintendent, J. W. Wilson (Freeman), who employs foremen on the different works as required.

WELLINGTON COUNTY ROADS.

The Wellington system of roads, comprising 170 miles, was established on its present basis under the Act to Aid in the Improvement of Highways, in 1903. Prior to that time the County was maintaining a system of roads aggregating 144 miles. These were leading roads, converging at Guelph, constructed as trunk roads before the time of railways, and later, while Guelph was the only railway shipping point in the county. Wagon traffic over them was at one time very great, and they were built accordingly, with a very wide grade, usually about 40 feet, and metalled the full width. With the increase of railway shipping points throughout the county, and changing conditions of population, traffic, etc., a readjustment became necessary. To this end, when the system was placed under the Highway Act, extensions were made in several of the more wealthy and populous municipalities to more nearly proportion the benefit to the amount each would contribute.

The older roads of the system are wide and flat, frequently with square shoulders and sharply defined open ditches; while the new roads are in various stages, from earth roads to roads with a more or less gravelled roadbed. The work now required consists for the most part of narrowing, reshaping and resurfacing the old roads; the straightening, grading, metalling and draining of the 26 miles of new roads, and the permanent construction of culverts and bridges on the county system. Gravel of a good quality is fairly plentiful and well distributed in most of the county.

County machinery consists of a steam roller, two rock crushers, three graders and minor implements.

Supervision of the work is centralized in one county road superintendent, J. M. Young, of Harriston.

HASTINGS COUNTY ROADS.

The Hastings County road system is 472 miles in length, and is principally in the southern and settled part of the County. The northern and little occupied townships are given an annual grant for road purposes in lieu of County roads.

The roadwork in Hastings is in charge of a County Road Superintendent who, subject to the direction of the Council, has general oversight of all work performed. Under him there have been at work, during the past season, six groups of men, each in charge of a foreman. It was formerly the practice for the County to board the men in camps; but the present plan is to supply each foreman with tents, or a covered van, and a camp outfit, and allow the men to board themselves. They find their own provisions and do their own cooking.

The County owns two rock crushers, each rated at 100 cubic yards per day. The experience is that the crushers will turn out as they can be fed, which ranges from 50 to 80 cubic yards per day each. The County owns also a traction engine, 22 h.p., made with extra wide wheels to provide against settlement when used

Crushing Gravel near St. Mary's for Perth County Roads.

on soft ground. One engine is rented; so that during the threshing season, when this engine cannot be secured, only one crusher can be continued in operation.

The stone used on the roads varies considerably in quality. Field stone is generally employed. Much of it is gneiss, tough blue limestone; and in some sections, a limestone that weathers badly. Gravel is also used where plentiful, and of good quality. The most satisfactory stone used is the blue limestone. It is not difficult to crush, and it packs and wears well. Care is taken to use only clean stone, and no sand or other binder is used.

Farmers living along roads to be improved place the stone in convenient piles, and when work on the road is undertaken, the crusher is set up beside them, the stone crushed and hauled to the roads. Where very plentiful, the stone is crushed as a favour to the farmer; in other cases, the county pays from 7 to 10 cents a yard for the material.

The roads of Hastings are, to a large extent, old stone roads. Many were made too wide in the first instance, and nearly all have worn and settled until they are too flat, with square and high shoulders at the sides. Reconstruction of these consists of grading, cutting off square shoulders, narrowing the roadbeds, and giving a higher crown. Good drainage is sought and the rolling nature of the district affords every opportunity for a good fall to frequent outlets.

There are numerous hills in the district. There is a tendency to improve these as rapidly as possible, bringing them to a permanent grade. Hills are given a noticeably higher crown than the level roads, and an effort is made to dispose of the water in such a way that washouts cannot occur.

The condition of the roads is such that work is not, as a rule, performed in long stretches. The tendency is to improve the worst sections first, gradually bringing the entire system to a proper standard.

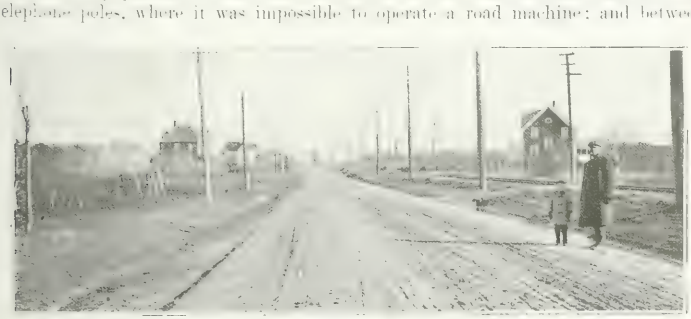
New roads are built by first bringing the sub-soil to a permanent grade, crowning it, and making suitable side drains. The earth sub-grade is then covered with broken stone or gravel to a depth of six inches. Narrow grades are the rule, as they are found ample to accommodate traffic. Nearly all the grading and ditching is done with the grading machine. A width of eighteen or twenty feet between ditches is found sufficient, with the central seven feet metalled. The County Road Superintendent is H. G. Bleecker, Belleville.

LINCOLN COUNTY ROADS.

Lincoln county road system was established in 1904 and consists of one road, the Queenston and Grimsby stone road, 29 miles in length, running east and west from end to end of the county. This is an old macadamized road, first established as a toll road and afterwards purchased and maintained by the county. Through careless management it had become much run down, but has, under the new system of supervision, been greatly improved.

The road is in charge of a superintendent who devotes his time to the work. The superintendent, Mr. W. B. Russ, of Grimsby, in his last annual report, stated that the year 1909 marked the fourth year that the County Council has worked the Q. and G. Road under the management of one superintendent, whose sole business has been to make road-building a study.

"Four years ago the bed was practically without drainage. The ditches were in many places 25 feet from the centre of the road, behind telegraph and telephone poles, where it was impossible to operate a road machine; and between



On the Queenston and Grimsby County Road in Lincoln.

the centre and the ditches there was a shoulder higher than the middle. The road in general was a concave, and the broken stone and gravel that formed what little roadbed there was, was very thin in some places. Especially was this the case in the Grimsby and Clinton sections. This road was built sixty years ago,

and went by the name of a 'macadamized' road, and had an enormous amount of money spent on it. To-day, after following the advice of the Deputy Minister of Public Works, and keeping one person constantly studying the art of road-building, and the real requirements of the road, it is said by tourists to be one of the best in Ontario. Gradually the ditches have been brought to where they can do some good, the shoulders have been removed and a large quantity of crushed stone placed directly between the two ditches. The loose stones that lay thickly in many places over the road were gathered to where they help to build up the road-bed. When stone is delivered on the road, a point is made to place every small stone in such a manner that not one piece is lost, and when a bridge or culvert is built it is done with the intention that it last a generation. The bridges and culverts were in a somewhat precarious condition four years ago.

"The open winter of 1908-09 was quite a trying time on this road. There were a few very cold days when the frost penetrated the bare road quite deeply. Almost summer heat following, the frost came out very fast, and heavily loaded wagons, with narrow tires, displaced some of the stone. The first effort was to get these back to the place immediately. This was accomplished by using the road machine, or grader, drawing everything to the roadbed that would help to make a good stone road, and pushing back over the open ditches all soft material, to be used in levelling the unused margin. By doing this work early in the spring the travel compacts the parts until it is safe to bring out the steam roller, when the damaged sections are soon put in good condition without fresh stone. In improving the drainage and stoning parts not stoned since four years ago the ditches have been made deeper and inlets and outlets to culverts have received special attention. Though the drainage is not yet perfect by any means, it is sufficient in most places to protect the road from damage until this part of the work can be made more complete.

"During the past year there were placed on the road 732 cords of crushed stone, from Hagersville, Queenston, Beamsville and Jordan, at an average cost of $6.80 per cord, delivered on the road. Added to this was the cost of placing the stone in position for the roller and rolling. The engineer got $2.50 per day, and men placing the stone usually from $1.50 to $1.75 per day. The grader was largely used in this work. About 500 pounds of coal were used per day, varying in price according to distance from where it could be had. Then there was the cost of watering the road while compacting and of placing the stone in position in the spring. All these amounted to $5,879.70.

"Previous to 1906, many culverts, especially in the Clinton section, were made with tile. These were giving out and being replaced with cement culverts, and in some places, low grade, ingot iron was bedded in the cement. Cement culverts are generally guaranteed to last thirty years. These must be exceptionally strong and lasting. Sixteen new culverts were built and eleven old ones repaired during the season of 1909 at a cost of $1,060.84. Much remains to be done, and constant care is required to rightly maintain the road, which, running directly through the great fruit section of the Niagara District, is subject to very heavy travel. It is within easy access of nearly all fruit growers who find market for their produce at canning factories along the road. It is used by fruit growers and farmers generally to reach the different railway stations, and was the great automobile route between the principal cities of New York State and Ontario. Probably no other road in Canada has heavier travel in this way; yet with constant care and a well-balanced system, it can be kept in good repair with a reasonable outlay."

Standard Concrete Culvert, designed for the Sudbury-Soo Trunk Road.

PRINCE EDWARD COUNTY ROADS.

The Prince Edward County road system was organized in 1907, and includes 54 miles of road. During the seasons of 1908 and 1909 good progress has been made, and it is anticipated that the entire mileage will be completed during 1910. The expenditure on this work has been: for road construction, $71,044.84; for machinery, $12,498.11, and for bridges, $6,527.65.

The County is equipped with two road rollers—one of the traction engine type—two stone crushers, graders and minor implements. Repairs are made in a central blacksmith shop equipped by the County. The operation has shown good management as regards the arrangement of crushers, bins, screens, and handling of stone.

The metal used is local stone, usually quarried very conveniently to the work. This material, however, is a soft limestone that, as a rule, weathers badly. So far it has shown better lasting qualities than its appearance would indicate, and it will probably be economical to resurface more frequently rather than (at present) to import a better but more expensive stone by rail.

The work as carried out radiates largely from Picton, while one road of importance has been built out from Wellington. In this way all ratepayers are receiving more or less benefit from the work. Defects apart from the soft quality of the stone have been principally in the matter of grading and drainage—more especially on what is known as the Waupoos Road. Knolls have not been cut down, nor have the surface drains been given a proper grade, so that water will, here and there, rest in pockets. In other places tile drainage was evidently needed, and more care should be given to the placing of culverts. The camber of the roads is good, and the stone is carefully rolled. The county roads superintendent is R. E. Taylor, Picton.

MIDDLESEX COUNTY ROADS.

The Middlesex County system dates from the year 1906, when, under a Special Act, the County was authorized to carry on road improvements through the township councils. Finding the plan unsatisfactory, it was repealed by the Legislature, and in 1907 the County passed a by-law in conformity with the Highway Improvement Act.

The system assumed by the County comprises practically the roads designated in the By-law of 1906, and includes 220 miles of road. The work on these roads is under the supervision of a County Engineer, and 23 foremen responsible to him. It is customary for the County Engineer to consult with the county councillors early in the year as to the work to be undertaken in the several townships during the ensuing season. The location and class of work having been decided upon, the supervision of the work devolves upon the County Engineer and foreman of the division.

The system includes a number of roads which were formerly toll roads. Other roads were built by the County in a substantial manner about half a century ago. Roads of this class have wide grades and have had gravel applied in repair repeatedly, so that they have a good foundation. They have, however, become very flat, with high, square shoulders at the sides. These roads are being restored by grading away the shoulders, re-surfacing with gravel, and tile draining. In some cases the roads are improved by grading and draining alone (removing the shoulders, and thereby restoring the crown), without the addition of new metal.

The County is one of the largest in the Province. Local road metal consists principally of gravel, with some field stone. The gravel, however, is not uniformly distributed, and in some districts it will be necessary to bring in crushed quarry stone to properly metal the roads. The County owns one stone crusher, operated this year (1909) in the Township of North Dorchester, boulder stone from the River Thames being used.

Crushed quarry stone has been used in two cases in the County, a short stretch near Appin, and another near Strathroy. In both cases the work was carried on in a somewhat experimental manner, and the results were not satisfactory, largely due to the lack of a steam roller. Crushed stone should be used in the County on roads adjacent to stations. This applies especially to the roads near London, where traffic is congested.

A considerable number of bridges have been built on the County roads, these being of a permanent character. For short spans, reinforced concrete is used, and for long spans, steel bridges, with concrete floor, and concrete piers and abutments.

A commendable feature of the Middlesex County work is the tile draining. On old gravel roads, tile drains are being placed on one or both sides of the road. The farms of the county are largely under-drained and many of these drains have their outlets in open ditches along the road. It is the practice of the County to arrange with property owners to connect all farm tile with the new tile drains on the road. The County pays the cost of excavation and a five-inch tile. The property owners contribute the additional cost of the larger tile necessary to take the farm drainage. In this way deep and dangerous open ditches are done away with and a permanent system of drainage established for all purposes.

There is a tendency to leave the graded roadway too wide. A width of 24 feet would accommodate heavy traffic on any part of the County system, except in the immediate vicinity of London. Grading of the roads has not always been as permanently done as would be desired. To cut down knolls and fill hollows as far as practicable is necessary before the road can be permanently metalled. The uneven condition of some of the new roads contrasts very unfavourably with the roads graded by the County half a century ago.

The County urgently requires the use of a steam roller in applying metal to the roads; and has been notified that to comply with the regulations of the Department of Public Works, provision must be made for rolling. Loose crushed stone on the road, or even loose gravel, is for a long time a serious impediment to travel. Some cases were observed in the County in which gravel left on the road for two years had not been travelled on, vehicles following an up-tilted track along the side of the road. The County Engineer is Charles Talbot, London.

FRONTENAC COUNTY ROADS.

This system of county roads had its commencement in 1907, when a toll road 16 miles in length was purchased at a cost of $22,570.82. In 1908 the county system was extended to 98 miles. Very little work was done until 1909, when 13 miles of road were surfaced with broken stone. The management of the work is under one County Road Superintendent, Geo. W. Smith, Westbrook.

Good stone, principally quarried limestone, is plentiful throughout the County. It is of good quality, and its uniform distribution should enable the

construction of cheap roads. Much of the stone can be quarried from the roads, producing metal and reducing grades by the one operation.

The County machinery consists of a portable bin for crushed stone, a scarifier and two wagons, the outfit costing $1,655.00. The usual construction consists of a grade 18 to 20 feet wide, with metal 8 to 10 feet wide and 4 to 6 inches in depth.

The expenditure to the end of 1909 has amounted to $14,675.93 for bridges, toll roads, machinery and road construction.

Crushing Stone for Frontenac County Roads near Kingston.

LENNOX AND ADDINGTON COUNTY ROADS.

The county system of Lennox and Addington was established in 1906, and includes 160 miles of road. The expenditure has amounted to $50,746.27 for road construction, $6,294.41 for bridges, and $9,838.69 for machinery. Returns show that 75 miles of road have been metalled with broken stone.

The standard type of construction consists of an earth grade 20 to 24 feet wide, crushed stone spread 8 feet wide and 6 to 10 inches in depth. The management is under two road superintendents, T. V. Anderson for the northern part of the County, and John Milling for the south. The machinery used consists of two stone crushers, two traction engines, two grading machines with spreading wagons and other implements.

The metal used is principally crushed field stone. Limestone from the natural bed has been used in some cases. The district is extremely hilly and broken, with numerous rocky exposures throughout the County. The metal is of a good quality, and the cost of construction can, therefore, be reduced to a minimum. Much improvement could be made on certain of the roads by quarrying stone from hills on the road for road metal, thereby reducing the grades and providing stone for crushing.

PEEL COUNTY ROADS.

The Peel County system was established in 1906, and includes 102 miles of road. There has been expended to the end of 1909 for construction $77,183.82, for machinery $7,109.36, and for bridges $28,583.25.

The management is vested in a county engineer. The machinery consists of a rock crusher with rotary screen, two sprinkling wagons, two steam rollers, two graders, and minor implements.

The better class of work in this County is on Hurontario Street, the Lake Shore Road easterly from Port Credit, and on Dundas Street easterly four miles from Cooksville. Stone is used largely from Hagersville quarries, while a less extent of road has been built with stone from Shaw. In Caledon Township, pit gravel has been used. Near Brampton, crushed gravel from local pits has been used to some extent with fair results. Road construction is necessarily expensive in certain parts of the County, more especially Toronto and Chinguacousy Townships, owing to the absence of local gravel or stone, road material being brought in by rail and teamed from the stations (as far as 5 miles in Toronto Township). In general, these roads show good grading, with a decided camber. The county owns two rollers, and the rolling, while not complete, has been carried to a point that traffic has immediate use of the stone roads. The gravel roads of Caledon have not been rolled. In Albion Township little road construction has as yet been undertaken other than bridges. The bridges in the County are concrete arches, concrete with flat tops, and concrete abutments with steel superstructure. The report of the County Engineer on the work of 1909 is as follows:

County Road in Oxford. The ruts are largely the result of using too much top dressing. The road is made of crushed gravel, but a "dust jacket" should have been used on the rotary screen to remove part of the sand.

To the Warden and Council of the County of Peel.

Gentlemen: I beg to submit herewith detailed statements of money expended and work done on the County Roads System of the County of Peel, together with the forms and tabulated statements required to be sent by you to the Minister of Public Works when making application for the government grant, as provided by the Act to Aid in the Improvement of Public Highways.

The following is a summary of work done since my last report:—

Miles of road graded	19
Miles of road metalled	15½
Number of tile culverts	89
Number of other culverts under 10 feet span	2
Number of bridges 10 feet span and over	10

During the season county and township graders were used on the work 113 days and the steam rollers 164 days. The rock crusher and rotary screen were not used this season, the crushed stone being purchased from the quarry companies—suitable stone for crushing could not be procured in sufficient quantities convenient to the roads being built. The cost of operating the graders was $14.50 per day, and the cost of operating the rollers was from $3.90 to $4.25 per day. To the latter must be added the cost of sprinkling—about $4 per day making the total for rolling and sprinkling about $8 per day.

The wages paid during the season were as follows:—

Ordinary labourers	$1.50 to	$2.00	per day.
Foremen	2.00 to	2.50	"
Roller engineers		2.50	"
Teams	3.50 to	4.00	"

The following is a summary of the expenditures:—

Roads (including culverts)	$34,377.30
Bridges	6,313.75
New machinery	63.50
Engineering	691.45
Total	$41,446.00

C. R. WHEELOCK,
Engineer, County Peel.

Orangeville, December 20th, 1909.

Detailed statement of work done on the County of Peel Roads System, from the 21st of December, 1908, to the 20th of December, 1909.

ROAD NO 1.—HURONTARIO STREET.

The work done on this road was as follows:—

In the Township of Toronto: From the Lake Shore Road to Dundas Street, a distance of 2½ miles, was graded. The soil along this portion of the road is a fine drift sand which would not stand rolling. As an experiment a short piece, running southerly from Dundas Street about forty rods, was first well graded, then crowned with a layer of stiff clay about four or five inches in depth and upon this was spread a layer of gravel about eight inches deep. If it is found that this piece of road will stand the traffic satisfactorily, it is our intention to build the remainder of the 2½ miles in the same way. Ten tile culverts were used along the road, and at a springy place 20 rods of 4-inch tile under-drain was put in. Cost of work:—

Grading	$200.95
Clay	60.00
Gravel	86.70
Tile culverts	100.30
Tile under-drain	29.10
Labour	188.20
Total	$665.25

The three miles of stone road which was built last year from lot No. 8 to the northerly boundary of the township was repaired by filling in all ruts and low spots with crushed stone and rolling thoroughly with the steam roller. Our experience has been that the new roads require some repairs of this description the first spring after being built. They should then give good satisfaction as the metal is well consolidated and thickened along the wheel tracks. In addition to the repairs the stone road was extended twenty rods southerly, being graded and metalled similar to the part built last year. Two small cement concrete bridges of similar design were built, on opposite lot No. 6 and the other opposite lot No. 8. These bridges are 10-feet span over all, the tops are flat, reinforced with seven 5-inch I-beams. The railing is 2-inch gas pipe with globe fittings, which makes a strong railing with a good substantial appearance at a reasonable cost. The cost of the railing painted and complete was sixty-four cents per foot. Similar railing has been used on several of the bridges built for the County this year. The width of the roadway over these bridges is 18 feet, and I would strongly recommend that a width not less than this be used for small structures on leading roads.

Cost of work:—

Stone (including freight)	$166.98
Rolling	57.50
Labour, teaming, etc.	197.90
Tile	12.50
Total	$434.63

Cost of bridges:

Concrete work	$305.00
Metal	12.04
Railing	37.14
Approaches, etc.	92.91
Total	$477.09

In Chinguacousy Township: Sixty rods of road were graded and metalled with Hagersville crushed stone opposite lot No. 3, at a cost of $266.65. The three-quarters of a mile of road built opposite lots Nos. 9 and 10 last year was repaired by filling and levelling the ruts and hollows with gravel, at a cost of $57.50. Six and one-half miles, from Side Road No. 10 to lot No. 27, were graded, and the five miles from Side Road No. 10 to Side Road No. 22 were metalled with crushed stone. Hagersville stone was used from Side Road No. 10 to Side Road No. 17, and stone from the Credit Forks and Shaw on the remainder. The average length of the haul in teaming the stone was one mile and a quarter. The grading was well done, knolls cut down and hollows filled, and the metal well sprinkled and rolled with a steam roller. Forty-seven tile culverts were put in and one reinforced cement concrete arch 10-feet span over all. The arch is a good, solid structure with a flood-proofing pavement between the abutments under the stream and reinforced with ½-inch steel longitudinal and cross rods; the longitudinal rods pass over the arch-ring through the abutments and pavements, thus tying the whole structure together. Cost of work from Side Road No. 10 to Side Road No. 17:—

Grading	$378.90
Stone (including freight)	5,925.18
Tile	283.29
Labour, etc.	3,509.35
Total	$10,096.72

Cost of work from Side Road No. 17 to Lot No. 27:—

Grading	$690.35
Stone (including freight)	3,480.75
Tile	282.75
Guard railing	32.60
Labour, etc.	2,135.55
Total	$6,622.00

Cost of arch:—

Concrete work	$345.53
Steel	40.18
Railing	35.85
Overseeing, etc.	25.00
Total	$446.56

In Caledon Township: Opposite lots Nos. 7, 8 and 9 three-quarters of a mile was graded and 120 rods of the same metalled with gravel. Opposite lots No. 14 and 15, 120 rods running south from the Village of Caledon were metalled with gravel. One tile culvert was put in on this piece and a cement concrete arch built at Harris Creek, opposite lot No. 14. The arch is 36 feet span over all and is reinforced with two rows of longitudinal rods and two rows of cross rods, one inch in diameter. The railing is 2-inch gas pipe. Opposite lots No. 17 to 24, running north from the Village of Caledon, three miles of road, which were graded last year, were metalled with gravel. This is a continuation of the piece of road which was completed last year. The gravel cost about 71 cents a yard delivered on the road. The average length of the haul was about one mile.

Cost of work opposite lots Nos. 7, 8 and 9:—

Grading	$126.45
Metalling	131.20
Total	$257.65

Cost of work opposite lots Nos. 14 and 15:—

Metalling	$120.00
Tile	11.75
Total	$131.75

Cost of work opposite lots Nos. 17 to 24:—

Preparing road for metal	$103.75
Metal, labour, etc.	2,055.71
Total	$2,159.46

Cost of arch:—

Concrete work	$452.56
Steel	61.50
Railing	48.00
Approaches, etc.	58.50
Total	$626.56

ROAD NO. 2.—LAKE SHORE ROAD.

The only work done on this road was to repair the 2½ miles of stone road built in 1907 and 1908 by filling in the ruts with crushed stone and rolling. The cost was $164.38.

ROAD NO. 3.—DUNDAS STREET.

Four miles of this road running easterly from Cooksville were graded and metalled. This is an old stone road, wide and flat on top, and the grading consisted mainly in cutting off the shoulders, although in some places it had to be regraded and ditched. Hagersville crushed stone was put in the centre of the road 9 feet wide, and along each side of this stone a strip of gravel about 3 feet in width, forming a boxing for the stone, and making the total width of the metal about 15 feet. Twelve tile culverts were put in, and one riveted steel Warren truss bridge built. The bridge is 43-feet span, with cement concrete and stone abutments, and reinforced concrete floor, with a roadway 17 feet wide, and is designed for a 12-ton load.

Cost of work:—

Grading	$496.01
Stone (including freight)	5,258.17
Gravel	201.80
Ditching	130.65
Tile	57.10
Labour and incidentals	3,254.51
Total	$9,398.24

Cost of bridge:—

Steel superstructure	$699.00
Concrete work	551.30
Approaches and incidentals	221.59
Total	$1,471.89

ROAD NO. 5.—THE THIRD LINE, TORONTO TP.

The work on this road consisted of draining a low, wet piece of the road about 60 rods in length, in the Second Concession. Tile was run along the sides of the road and to an outlet on lot No. 6 in the Second Concession. About 160 rods of tile were put in, 80 rods of 4 inches and 80 rods of 6 inches. The cost was $73.10.

ROAD NO. 6.—SIDE ROAD NO. 5, THROUGH CHINGUACOUSY AND TORONTO GORE.

The work done on this road was as follows:—

In the Township of Toronto Gore:—Three tile culverts were put in the 7th and 8th Concessions, and a cement concrete and steel beam bridge built at Woodhill. The bridge is a 24-feet span skew bridge, with a flat top, supported by seven 12-inch I beams, the concrete being arched between the beams from the bottom flange. The railing is 2-inch gas pipe extending over the wings. There were formerly two bridges at this place, but by putting the new bridge on a skew and opening up the creek we have put it in a shape that there is no doubt the one will take the water and so have filled in the channel at the other, and removed the bridge.

Cost of bridge:—

Concrete work	$486.20
Steel beams and railing	390.00
Approaches, filling at old bridge, clearing creek, etc.	195.00
	$1,071.20
Cost of tile	28.60

In the Township of Chinguacousy: -Concessions Nos. 4 and 6, W.H.S., were graded and one tile culvert put in. In Concession No. 3, W.H.S., a 6-feet span reinforced cement concrete culvert, and a bridge, 14-feet span, were built. The bridge is cement concrete, with flat top, reinforced with 6-inch I-beams embedded in the concrete, and with gas pipe railing. At the Huttonville bridge a cement concrete retaining wall 30 feet long was built.

Cost of work, Concessions Nos. 4 and 6:—

Grading, etc.	$385.67
Culvert, 6-feet span	198.35
Tile culvert	12.00
Total	$596.02
Cost of bridge	317.39
Cost of retaining wall	137.50

ROAD NO. 7.—SIDE ROAD NO. 17, CHINGUACOUSY TP.

On this road a short piece was improved, extending from the C.P. Railway at Snelgrove to a point 80 rods westerly. This piece connects with the part built last year. There were 80 rods graded and about 50 rods metalled with crushed stone. Two tile culverts were put in.

The "Eaton Road" at Islington in Course of Construction. The first step was to scrape from the top and sides all dust, mud and loose material, getting down to the old stone roadbed.

On the "Eaton Road" at Islington. Preliminary Grading.

The "Eaton Road" at Islington. Having graded all soft and loose material from the old stone roadbed, new crushed stone was spread to a width of 18 feet, and an average depth of 10 inches at the centre and 4 inches at the sides.

The "Eaton Road" at Islington. Rolling before putting on the surface dressing or "Binder Coat."

Cost of work:—

Grading	$67.50
Stone (including freight)	200.00
Labour, etc.	84.60
Tile	16.00
Total	$368.10

Road No. 8.—Side Road No. 27, Chinguacousy, and Side Road No. 10, Albion.

The work done on this road was as follows:—

In the Township of Chinguacousy:—Part of Concessions Nos. 2 and 3, E.H.S., and Concession No. 3, W.H.S., were graded, about one mile in all. This work consisted mainly of grading and improving hills. One tile culvert was put in. The cost of the work was $355.32.

In the Township of Albion two tile culverts were put in in Concession No. 1, one in Concession No. 2, and one in Concession No. 3. The total cost was $64.30.

Road No. 9.—Side Road No. 15, Caledon Tp.

The improvements made on this road consisted of the following:—

East of Hurontario Street:—The E½ of Concession No. 1 was graded, and the road was raised and widened along the creek by filling in with large stones. The W½ was graded last year. The E½ of Concession No. 2 was graded, and in this Concession also the W½ was graded last year. Concession No. 3 and the W½ of Concession No. 4 were graded this year, making in all two miles graded this year. Concession No. 1 and the W½ of Concession No. 2, a distance of about one mile and a quarter, running east from the Village of Caledon, were metalled with gravel. One tile culvert was put in and one small cement concrete arch 6-feet span, and one reinforced cement concrete flat top bridge were built. The bridge is 16-feet span, with a 17-feet roadway, and the top is reinforced with 6-inch I-beams embedded in the concrete. The railing is 2-inch gas pipe.

West of Hurontario Street, in Concession No. 3, 25 rods of road adjoining the piece built last year were graded and metalled with gravel at a cost of $36.00.

Cost of work east of Hurontario Street:—

Grading	$544.35
Gravel and incidentals	704.95
Tile culvert	7.90
Small arch culvert	111.60
Total	$1,368.80

Cost of bridge:—

Concrete work	$251.48
Steel	47.59
Railing	35.00
Incidentals	21.50
Total	$355.57

Road No. 10.—The Seventh Line, Albion.

On this road about two-thirds of a mile opposite lot No. 29 was improved by filling in low places with stone and earth and metalling with gravel. Two tile culverts were put in.

Cost of work:—

Gravel (at the pit)	$80.00
Labour (drawing gravel, filling, etc.)	576.00
Tile culverts	17.31
Total	$673.31

ROAD No. 11.—SIDE ROAD No. 25, ALBION.

This is a very hilly road, and the work done this year consisted of cutting down, grading and improving hills in Concessions Nos. 4, 5 and 6. About 70 rods in all were graded, and about 58 rods were metalled with gravel. The cost was $233.00.

ROAD No. 12.—THE NINTH LINE, TORONTO GORE.

The improvements made on this road were as follows:—

Opposite lot No. 3 a hill was improved and graded at a cost of $77.25. Opposite lot No. 13 about 20 rods of road were graded and a guard railing put up, at a cost of $51.77. Opposite lots Nos. 1, 2 and 3, three tile culverts were put in, costing $20.00. Opposite lot No. 9 two reinforced cement concrete arches were built. The arches are over the same stream at different points, and are similar in size and construction. The span is 34 feet, with a 16-feet roadway, and the reinforcement consists of two rows of longitudinal and two rows of cross rods, one inch in diameter. The railing is 2-inch gas pipe.

Cost of arches:—

Arch No. 1:	Concrete work	$481.43
	Steel	145.00
	Approaches, etc.	160.91
	Total	$787.34
Arch No. 2:	Concrete Work	$517.18
	Steel	145.00
	Approaches, etc.	97.97
	Total	$760.15

The only expenditure for new machinery or implements during the year was the following:—

One plough for Toronto Township	$12.50
One breaking plough for Caledon Township	31.00
Two scrapers for Chinguacousy Township	20.00
Total	$63.50

The following is a summary of the total expenditure for the year:—

Roads (including culverts)	$34,377.30
Bridges	6,313.75
New machinery	63.50
Engineering	691.45
Total	$41,446 00

C. R. WHEELOCK.
Engineer, County Peel.

Orangeville, Dec. 20th, 1909.

ACT TO AID IN THE IMPROVEMENT OF PUBLIC HIGHWAYS.

7 Edward VII., Chapter 16; with amendment 10 Edward VII., Chapter 14, adding sub-section (2) to Section 11.

His Majesty, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:—

$1,000,000 appropriated for road improvements.

1. The sum of $1,000,000 is hereby set apart to be paid out of the Consolidated Revenue Fund of the Province to aid in the improvement of public highways subject to the terms and conditions hereinafter set forth. 1 Edw. VII., c. 32, s. 1.

County by-law adopting system of road improvement.

2.—(1) The county council of any county may by by-law adopt a plan for the improvement of highways throughout the county by assuming highways in any municipality in the county in order to form or extend a system of county highways therein, designating the highways to be assumed and improved and intended to form or be added to such system; and in case it may be impracticable to benefit all the townships in any county equitably by a system of county highways, such plan may provide for compensation to any township or townships which by reason of the location of such highways or of the unequal distribution of the expenditure thereon, may not benefit proportionately, by a grant of such specific amount or annual sum or both, to be expended in the improvement of the highways of such township or townships, as when so expended will make such plan equitable for the whole county.

Plan may include abolition of toll roads.

(2) A plan adopted by the county council, under this section, may include the purchase of toll roads or freeing the same from toll. 1 Edw. VII., c. 32, s. 5.

Grants to incorporated villages and towns.

(3) A county council may from time to time while carrying out a plan of road improvement under this Act, by by-law make grants to incorporated villages or towns not separated from the county, for the purpose of improving such highways or portions of highways in such villages or towns as may be designated in such by-law and which are extensions of, or form connections between different portions of county roads, but no such highway shall by reason of such by-law or of the expenditure of any such grant thereon be deemed to have been assumed by the county or to form part of the county system of highways, and any grant made under this subsection and approved of by the Minister of Public Works, shall be deemed to form part of the expenditure in carrying out a plan of road improvement in such county so as to entitle the county to share in the aid granted by this Act. 3 Ed. VII., c. 26, s. 7.

Regulations of Public Works Department.

(4) Every highway constructed or repaired in pursuance of a plan adopted by by-law approved by the Lieutenant-Governor in Council under this Act shall be constructed or repaired according to the regulations of the Public Works Department with respect to highways. 1 Edw. VII., c. 32, s. 6.

By-laws passed by two-thirds vote not to require assent of electors.

(5) Where a by-law passed under the authority of this Act has received the assent of two-thirds of the members of the county council representing at least one-half of the total equalized assessment of the county, it shall not be necessary to submit the same to the electors of the county; provided that if before the final passing of any by-law under this Act the same has been submitted to and has received the approval of the electors of the county qualified to vote on by-laws for the creation of debts, such by-law may be finally passed by a majority of the members of the council present and voting thereon; and provided further that a by-law so submitted to the electors may after such submission or after the final passing thereof be amended by the council in order to comply with any direction or requirement of the Minister of Public Works, and it shall not be necessary to submit any such amending by-law to the electors. 8 Edw. VII., c. 23.

Approval of by-law by order in council.

3.—(1) No county shall be entitled to receive any portion of the sum set apart by this Act until the by-law adopting a plan for the improvement of highways therein, passed under the provisions of this Act, together with an estimate of the cost of the proposed work, has been approved by the Lieutenant-Governor in Council. 3 Edw. VII., c. 27, s. 4.

Minister may obtain report on work.

(2) Upon the application of any county council for the approval of a by-law under this Act, the Minister of Public Works may obtain such report upon the plan adopted by such county council as he may deem necessary and may hear any township council which may be dissatisfied therewith before presenting such application for consideration of the Lieutenant-Governor in Council.

Payments to county out of appropriation.

(4) (1) When a plan of road improvement adopted by by-law, approved by the Lieutenant-Governor in Council under this Act has been carried out, or at any time during the progress of the work, the county council may submit to the Department of Public Works a statement setting forth the expenditure to date in carrying out the said plan, including all payments of grants authorized by this Act, together with the declaration of the treasurer of such county that such statement is correct and also the report of the county engineer or road superintendent that such work is in accordance with the regulations of the Department of Public Works, and on the receipt of such statement and certificate by the Provincial Treasurer, certified and approved by the proper officer of the Department of Public Works, the Lieutenant-Governor in Council may direct the payment to such municipal corporation out of the fund set apart under this Act of a sum equal to one-third of the amount of such expenditure. 6 Edw. VII., c. 43, s. 2.

Work in united counties.

5. The council of any union of counties which has passed a by-law under this Act designating the roads to be improved within the united counties, after such by-law has been approved by the Lieutenant-Governor in Council may with the consent of two-thirds of the representatives of any county in the union by by-law apportion the amount to be expended in any year in such county and may provide that the

amount so to be expended shall be raised by special rate upon the property liable to taxation in such county, or with the like consent the council of the united counties may by by-law provide for the issue of debentures for the amount to be expended and may declare that such debentures shall be a charge upon the property liable to taxation in such county, and that the amount required to be raised annually for principal and interest of any debt so created shall be levied and collected in each year during the currency of the said debentures by an annual special rate upon the property liable to taxation in such county. 6 Edw. VII., c. 43, s. 3.

Issuing debentures for expenditure on highways.

6. The municipal council of any county taking advantage of this Act, may raise by debentures, payable in thirty years, as provided by *The Municipal Act*, such sums of money as may be necessary to meet any expenditure on highways under this Act, but in no case shall the debentures issued under this Act exceed two per cent. of the equalized assessment of the county. 1 Edw. VII., c. 32, s. 9; 2 Edw. VII., c. 12, s. 27 (1).

Statute labour, application of upon roads aided.

7. The council of any township may by by-law direct that the statute labour for which lands fronting on roads in such township constructed or repaired under this Act may from year to year be liable may be commuted, and the amounts so received may be paid over to the county and applied in repairing such roads and in removing snow therefrom and keeping the same open during the winter months. 5 Edw. VII., c. 27, s. 2.

Aid to county where road system established prior to 7 Edw. VII., c. 16.

8. Where before the passing of this Act the council of any county had established a system of county roads approved by the Lieutenant-Governor in Council as provided by *The Act for the Improvement of Public Highways*, such system of county roads shall be deemed to be within the meaning and intent of this Act. 3 Edw. VII., c. 26, s. 6.

Intersection of other highways by county road.

9. Wherever a county road intersects a highway which is not a county road the continuation of the county road to its full width across the road so intersected, including the bridges and culverts thereon or touching thereon, shall be a part of the county road system. 3 Edw. VII., c. 26, s. 8.

County council not liable for sidewalks on county roads.

10. A county council shall not be liable for the building, maintenance or repair of sidewalks on any county road or portion thereof. 3 Edw. VII., c. 26, s. 9.

Counties to have powers as to snow fences. Rev. Stat. c. 240.

11.—(1) The county council shall in respect to county roads have all the powers given to townships, cities, towns and incorporated villages under *The Act respecting Snow Fences.* 3 Edw. VII., c. 26, s. 10.

Powers of County Council over roads assumed.

(2) The county council shall, in respect to said roads, have all the rights, powers, benefits and advantages conferred either by by-law or contract or otherwise, upon the local municipality or municipalities which had jurisdiction over said roads before said roads were assumed

by such county council, and the said county council may sue upon such rights or under such agreements or by-laws in the same manner and to the same extent as the said local municipality or municipalities might have done if such roads had not been adopted as county roads. 10 Edw. VII., c. 14.

Roads in respect of which aid granted to be county roads.

12. Except as in subsection 3 of section 2 of this Act otherwise provided, all roads constructed or repaired under this Act, and for the construction or repair of which aid may hereafter be granted out of the fund set apart under this Act, shall thereafter be deemed to be county roads and shall be maintained and kept in repair by the corporation of the county in which such roads are situate. Provided that after three years subsequent to the construction and completion of the county system of roads the county council may with the approval of two-thirds of the minor municipalities in the county expressed by by-law declare that such system of county roads shall on the 1st day of January, following, revert to the local municipalities in which the same are situate, and such roads shall thereafter be maintained as township roads. 5 Edw. VII., c. 27, s. 4.

1 Edw. VII., c. 32 and amendments repealed.

13. The Act passed in the first year of His Majesty's reign, Chaptered 32, and the amendments thereto, are repealed and the foregoing provisions are substituted therefor.

REGULATIONS RESPECTING HIGHWAYS.

The following are the regulations of the Public Works Department with respect to highways, under the Act to Aid in the Improvement of Public Highways, 7 Edward Seventh, Chapter 16, Section 2, Sub-Section 4:

Management.

1. The management of all road improvement under the Highway Improvement Act is to be centralized in a capable county road superintendent (or engineer) appointed by and acting under the direction of the county council. A foreman is to be placed by the road superintendent (or engineer) in charge of any works which he cannot personally oversee.

General character of work.

2. Improvements are to be of a character suited to the requirements of the district, as regards the amount of travel, nature of the soil, quality of road metal available, and other local conditions.

Road Accounts.

3. A proper system of keeping road accounts is to be adopted, showing the extent and location of each work of improvement, and the cost of labor and materials used. Time sheets or time books are to be used for the payment of men.

Old and new roads.

4. "Old" roads herein referred to, include such highways as have been previously well graded and metalled with gravel or broken stone, and which have a solid and deep road-bed. Former toll roads, and roads of a similar character will usually fall within this class.

"New" roads in general include earth roads which may or may not have been previously graded, and which have had little or no gravel or stone placed upon them.

Work on old roads.

5. Work on old gravel or stone roads of the nature of reconstruction or repair may consist of:—

(a) Grading by cutting away shoulders of earth and sod at the sides, and improvement of drainage.

(b) Grading, drainage and resurfacing with good gravel or broken stone.

Work on new roads.

6. Work on new roads may consist of:—

(a) Grading and draining.

(b) Grading, draining and metalling with good gravel or broken stone.

All roads to be graded before metalling.

7. It is essential that all roads be properly graded and crowned before putting on gravel or broken stone. In this, see that old gravel and stone roadbeds are not injured by being covered with earth and sod from the sides. In general, the work should be guided by the Manual of Roadmaking of the Highways Branch, complying with the following specific requirements:

Roads to be straightened.

(1) The roadway graded for traffic is to be as straight as practicable, and in the centre of the road allowance, with a uniform width between the inside edges of the open ditches, and all work is to be carefully staked out for this purpose in advance of draining, grading and metalling.

Width between ditches.

(2) The width of the roadway, shoulder to shoulder, on cuts and fills should not be less than 18 feet. Main roads should be graded to a width of 24 feet, and roads of least travel should not be less than 18 feet.

Side-slopes.

(3) Side slopes in cuts and fills are to be one and one-half feet horizontal to one foot vertical.

Crown.

(4) The crown or camber given the newly finished roadway is to be uniform and have a rise of from one to two inches to the foot from the ditch to the centre of the road; giving the metalled portion a crown of 1 in 12, and the earth sides 2 in 12. Roads on hills should have a sharper crown than the longitudinal slope, otherwise water instead of flowing to the side drains will follow the wheel tracks, washing and deepening them to ruts.

Improvement of grades.

(5) Roads are to be given, as far as practicable, an easy, flowing grade, cutting down hills and knolls, and filling depressions. The steepness of hills is not to exceed a rise of one foot in twelve.

Width of metal.

(6) Road metal (gravel or broken stone) is to be placed in the centre of the grade, to a width and depth sufficient to form a serviceable road, having due regard to the character and extent of traffic.

(7) The gravel or stone spread on the road should not be of a less width than eight feet, nor of a less depth than six inches, and is to be in continuous stretches. Ordinary patching and repair is not a work within the meaning of the Act. Minimum width of metal.

(8) The gravel or broken stone used on the road should preferably be obtained in the vicinity of the road, but must be of good quality. Use local metal if suitable.

(9) The stone used may be broken field stone, quarry stone, or crushed and screened gravel, care being taken to select a durable quality such as will withstand wear and exposure to the atmosphere, discarding weathered limestone, friable sandstone or other weak metal. Quality of stone.

(10) Gravel is to be clean, moderately coarse and free from an excess of clay, sand or earthy material. Quality of gravel.

(11) In applying natural pit gravel containing many large stones, the large stones are to be raked forward from the loose gravel, spreading them so as to be underneath the next load and in the bottom of the road. Coarse gravel.

(12) The gravel or broken stone placed on main roads is to be thoroughly rolled. Roads of less importance, if not rolled, are to be maintained by raking or trimming with a grader until consolidated by traffic. Rolling.

(13) Stone when crushed is to be elevated into bins from which it can be conveniently and quickly loaded into wagons. Load stone from bins.

(14) Clay, sod, or other earthy material is not to be used as a surface dressing or binder on broken stone roads. Stone screenings are to be used for this purpose. Care is to be taken that an excess of this surface dressing is not used. Surface dressing.

(15) Where roads have heretofore had gravel or broken stone placed on them, they should be reconstructed or repaired by cutting off shoulders, with a grader, and adding a sufficient amount of gravel or broken stone to fill ruts, depressions, properly crown and make a road sufficiently strong to accommodate the travel. The sod and soft material is to be thrown outward, never drawn to the centre. Repairing old roads.

(16) Good drainage is of primary importance. Provide open drains at the sides of the road, with a constant fall to a free outlet, with sufficient capacity to carry away surface water. Drainage.

(17) Tile underdrains are to be laid to carry away excessive sub-soil water, lower the water-line, and secure a dry road-bed wherever a moist, damp or springy condition of the sub-soil exists. Tile drainage.

(18) Durable sluices and culverts are to be built when necessary. Bridges must be substantial in character, preferably of concrete or steel Culverts and bridges.

(19) Steel truss bridges are to comply with the Ontario Government Bridge Specifications; all forms of tender, specifications and the work throughout to be in charge of an engineer qualified to see that such specifications for steel bridges are carried out. Steel bridges.

(20) Modern roadmaking machinery and implements are to be used, so as to secure the greatest results from the expenditure, and to provide the best work. Machinery.

(21) Where, owing to special local conditions, any departure from the foregoing regulations may be desired, upon application of the council, an examination of the road or roads in question will be made by the engineer of the Highways Branch for the purpose of deciding upon suitable plans. Varying from regulations.

Approved.

(Sgd.) J. O. Reaume,
Minister.

AUTOMOBILE TRAFFIC.

Automobiles are creating a situation as regards the public highways that should demand progressive legislation to meet new conditions as they arise. The injury to roads caused by these vehicles is one phase of the question. The driving wheels of self-propelled vehicles exert a great shearing force on the surface of the road. Pneumatic tires act like suckers on the ground. Fine particles of dust, necessary to the bonding of broken stone are, by these two agencies, thrown into the air, to be scattered in all directions by violent wind eddies following in the wake of vehicles running at high speed. With the gradual removal of this cementing dust, the stones composing the road become loose, and the surface "unravels."

While this is the process of injury, it should not be exaggerated to the belief that occasional motor cars on a good macadam road are the cause of noticeable injury. Light automobiles of low horse-power travelling on a good road at moderate speed, up to 15 or 18 miles an hour, do very little damage. The greatest destruction is caused by constant traffic of heavy touring cars, of high power, and travelling at excessive speed. Twenty or thirty such cars a day on a macadam road will add to the cost of maintenance. This injury applies almost wholly to through roads most largely used by automobiles, and the expense of maintaining such roads is seriously felt by some local municipalities. Under the Highways Improvement Act, whereby the Province grants one-third of the cost of constructing county roads, local municipalities can obtain a measure of relief.

To relieve local municipalities from the maintenance of main roads the State of Massachusetts has imposed an annual tax on automobiles according to horse-power as follows:

For the registration of every motor cycle, including the right of the owner thereof to operate the vehicle, two dollars.

For the registration of every commercial motor vehicle, used solely as such, and every motor truck, regardless of the horse-power thereof, five dollars.

For the registration of every automobile of less than twenty horse-power, five dollars.

For the registration of every automobile of twenty horse-power and above, but less than thirty horse-power, ten dollars.

For the registration of every automobile of thirty horse-power and above, but less than forty horse-power, fifteen dollars.

For the registration of every automobile of forty horse-power and above, but less than fifty horse-power, twenty dollars.

For the registration of every automobile of fifty horse-power and above, twenty-five dollars.

OILING ROADS.

Crude oil sprinkled on macadam roads is proving itself a very satisfactory means of keeping down dust, and in this way largely overcoming the damage done to the roads and to adjacent property by constant automobile traffic. Oiling has been largely used in Toronto, and has displaced the use of water on all macadam and earth roads for preventing dust. An experiment was tried by the County of Wentworth in 1909, on a mile of the Stony Creek Road, where motor travel is frequent. This year (1910) it is to be used to a considerable extent, especially in fruit growing sections, where dust is a cause of much loss.

Oils with an asphaltic, rather than a petroleum base, are preferable. Two or three applications of oil within a fortnight early in the summer; this followed by applications four or six weeks apart during the summer have, to the present, been the most effective method of dealing with the dust produced by automobile traffic. A mixture of crude oil and limestone dust makes a toughened skin over the roadway that prevents dust and preserves the metal surface. The oil is sprinkled from a watering cart driven at a fairly rapid rate. The oil should be scattered—not allowed to collect in pools, to be splashed by traffic or stain the clothing of pedestrians. A man should follow the cart with a broom to brush such pools away. The quantity of oil varies with the condition of the street—but ordinarily 1,500 gallons per mile will make the three first applications on Toronto streets, 24 feet wide. The oil lasts longer on shaded streets, and dries out more quickly when exposed to the sun. The oil costs four cents a gallon, and is applied for less than one cent. While not itself a bonding material, its influence upon the bond of a road is such as to deserve consideration in this connection.

ROAD SUPERVISION.

"Supervision" is the foundation stone on which road-building reform in Ontario must be placed. Lack of management has been the cause of an enormous amount of waste in road expenditure. The outlay on township roads in Ontario, in statute labour and money, exceeds two millions annually. This is steadily increasing. Statute labour in pioneer days was the right thing in the right place. To-day it is more than undoing the good done in former years. Not only is statute labour of to-day inefficient in itself, but cash expenditure is largely made in conjunction with statute labour, by pathmasters, on the statute labour basis, so that it places a twofold handicap on road improvement. If this large outlay were handled in such a way as to give good roads, the misfortune would not be so

great; but with statute labour squandered, and a considerable cash expenditure in its train, we still have the evil of bad roads. County roads systems with Provincial aid are undeniably beneficial, but while increased outlay is needed, the greatest good can come from such an awakening on the part of the ratepayers as will lead to the skilful direction of all expenditure now being made in the rural districts.

The remedy is not simply the abolition of statute labour. That is a minor part. The important feature is—the system adopted in place of statute labour. Not only must that system be thoroughly efficient and practical, but it must be

Labourers' Cook and Sleeping Van in Oxford County. A camping outfit overcomes the difficulty of finding accommodation for the men, saves the energy of walking to and from work for meals, etc., and keeps the men together when interrupted by bad weather.

carried out with energy and good judgment. No system, however thorough, can be of use if left to itself—it will not be automatic. What is required is an active working out of an efficient system by the men upon whom its administration falls, backed up by a clean-cut and healthy public opinion.

Road-building, as with any other constructive work, has two parts—the theoretical and the practical. The one pertains to the engineer; the other to the contractor or foreman. The one includes the knowledge of what the completed road should be as regards materials, form, drainage, and the application of scientific principles to the design of a road; the other involves the direction of labour so as to produce maximum results at minimum cost.

How do pathmasters trying to build roads with statute labour serve these conditions? Without over-estimating the scientific ability necessary to build roads, it is safe to say that in no township can one or two hundred men be found who, as pathmasters, can qualify as road engineers; while to expect them as foremen to efficiently manage statute labour as well is a travesty on the art of road-making.

No two pathmasters can agree as to what a road should be as to width, crown, grade, drainage, quality of material—yet it is only by the skilful treatment of such details that a good road can be cheaply and durably designed. A defect in one particular may readily mean the undoing of the entire work. In teaming material, which is one of the great factors of cost, the size and number of loads per day often does not amount to one-third or one-quarter what a contractor or good foreman would exact. This means in effect that, for a given quantity of material, the cost of teaming is three or four times what it should have been. In many townships a rate of $3 or $4 per day for man and team is nominally paid, yet it really amounts to $12 or $16 for a full day's work. This is the rigid economy being practised on the township roads of Ontario—as their condition fully testifies.

The organization which should exist is very simple—that of a joint stock company. The ratepayers are the stockholders; the council, the board of directors; and there should be one permanent manager (or road superintendent) carrying out the wishes of the directors. This centralizes responsibility, while the growing experience of the superintendent will be of increasing value. So long as municipal councillors rotate in office from year to year, their services in actual supervision of roadwork can be only a series of experiments in which they gain their experience at the expense of the people. If there is need for a permanent clerk or treasurer, much more is there need for a permanent road superintendent.

Cities and large towns, as a rule, have such a system in the employment of a city engineer who can supervise, through foremen and inspectors, all work of either day labour or contract. County councils, in carrying on systems of county roads under the Highway Improvement Act, are required to have a road superintendent or engineer; while their steel truss bridges must be constructed under a qualified engineer who can see that the plans and specifications are properly carried out.

The duties of a road superintendent will vary in detail according to local circumstances, and the municipality in which he is engaged, whether township or county. In general, he should attend all regular meetings of the council to receive instructions from the council, or give information regarding work proposed or in progress. He should report to the council in the spring as to work he considers advisable, which report the council may adopt or amend. He should report at the end of the year, showing a full statement of work carried out and the cost. It will be his duty to purchase all ordinary supplies, and make such recommendations to the council as may be desirable regarding machinery or other equipment needed.

All men, teams, foremen, and inspectors should be employed or discharged by him, and should be subject to his direction only. A councillor should never give instructions as to work, except through the road superintendent. A contractor never gives directions to labourers except through a foreman or superintendent, and the same principle should be rigidly followed in municipal road work. To do otherwise destroys the superintendent's prestige with the men, undermines his power to preserve discipline and to secure the best work. Every man should feel that he owes his employment to the superintendent only, and that no "pull" can save him if the superintendent wishes to dismiss him.

The superintendent should keep an accurate record of men employed and the work done, furnishing to the council at regular intervals, accounts and pay-sheets. The methods of payment and the keeping of accounts should be complete and above suspicion, requiring the certificates of foremen, the superintendent, and chairman of the road committee, and should have the approval of the council.

Wherever possible the certificates of two men should be on every account and pay-sheet presented to the treasurer.

Sufficient of the duties of the road superintendent have been suggested to show the object of having a road superintendent—to make it one man's business in every municipality to have direct charge of road-work. If he is thoroughly practical and a man of business, he can prepare plans and organize the work so as to get the greatest results for every dollar expended. The council and people will hold him responsible for so doing. He will study the best methods of road construction, of operating machinery, and of organizing the work. He should have, what few men possess, the ability to manage men so as to get full results from them. In the last analysis, upon the ability and energy of the man in charge, will depend the success or failure of the municipal road expenditure. Road improvement is a work not of one year, but of many years; it should be planned as such, and the first necessity is a man who will give it continuous attention for a term of years.

On works which he does not personally oversee, the superintendent should place a foreman. The foreman will receive his instructions as to how the work is to be done from the superintendent, and the foreman's essential qualification will be his ability to organize and control the labour to the best possible advantage. A first-class foreman is the most valuable part of any contractor's equipment. For a thoroughly efficient foreman, a contractor will pay the highest market price, for he knows that the cost of the work may easily be one-half under one foreman of what it is under another. As with the superintendent or engineer, these foremen should be retained as permanently as possible, so that their growing experience will make their services of increasing value to the county.

So long as work is carried on in short patches, the need for expert supervision is not felt throughout the country. To build roads profitably, they must be constructed in long sections, involving a very different degree of experience. A reeve recently pointed out to the writer with pride, "the first continuous mile of road to be built in the township." This is not an isolated case. Many townships in the Province have yet to build their first continuous mile of road.

That the supervision of road work on each system—township, county, city or Province—should be centralized is a principle that has been found valid wherever the best roads are being built. In France, Germany, England, and the American States advanced in road building, the centralizing of responsibility is recognized as a vital necessity. In this way expert knowledge is directed to the design of roads; and the forces available are directed by business-like methods adapted to any other form of construction. The country roads, looked at as a purely local quantity, do not impress with their importance; but as a part of the great transportation system spreading as a vast network throughout the Province, the aggregate forms a work of magnitude, and the results of neglect will seriously retard the material development of the country.

ROAD ROLLING.

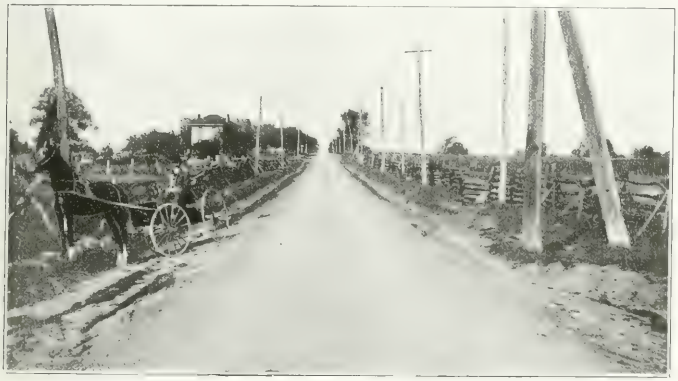
Rolling is essential to the construction of a good stone road. It is impossible to build a stone road cheaply and durably without a roller, and the same is true with regard to the best class of gravel roads.

Roads built of loose stone take from one to three years of traffic to consolidate them. During that time the roads so treated are a serious obstruction to

traffic. On short patches this is not so noticeable; but on long stretches of one or two miles, it is distinctly objectionable and much dissatisfaction arises. Before traffic can, with comfort, use the metalled roadway, the earth sides are cut up, drainage is blocked, and the entire roadway is frequently rutted or worn out of shape by vehicles travelling along one side of the stone.

Councils in selecting a steam roller should choose the best; and respective merits should be carefully studied. A saving in first cost may be many times offset by the additional cost of operating or maintaining an inferior machine. Maximum results and fewest stops for repair are all-important in seeking true economy.

Rolling is not an added expense to the cost of a stone road. The cost of rolling is more than made up by the saving that results in several ways.



Stone Road in Prince Edward County, just completed with a steam roller. The road is in perfect condition for travel.

Coarser stone can be used in a road that is rolled so that the cost of crushing is reduced. Between stone crushed fine enough to be used without rolling, and the coarser stone suitable for a rolled road, there may readily be a difference in cost of from eight to ten cents a ton. This alone will nearly pay the cost of rolling limestone.

Roads built without rolling demand a great deal of attention for several years that is not given to rolled roads. The stone has to be raked to place from time to time; the earth sides have to be levelled where they have been cut up and destroyed; new material has to be added to fill hollows and ruts.

Rolled roads are more durable, and in consequence the cost of repair and maintenance is greatly reduced. With coarser stone in the roadbed it is stronger to resist wear; and it is more securely bonded than where it is first rutted and mixed with mud.

Less stone is required on a rolled road, as loose stone is largely forced down into the mud or is knocked to the ditches by traffic.

A good road should have a foundation of uniform strength, surfaced with a well-bonded coat of stone of uniform thickness. By rolling the sub-grade, weak spots are developed which can be filled with earth and again rolled to produce the

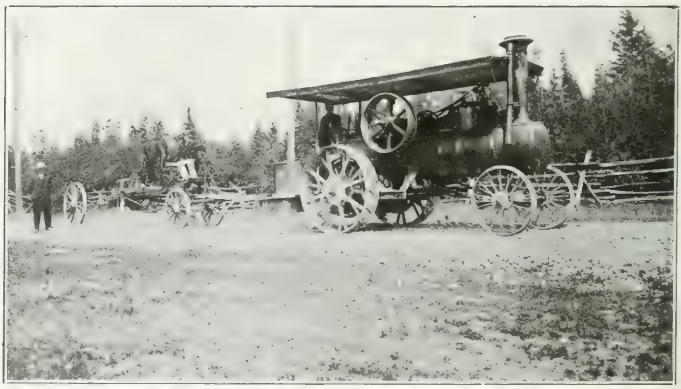
uniform foundation. Earth for this purpose is cheaper than stone. When weak spots are brought to grade in this way, the uniform coat of stone can be applied and rolled to its permanent place. Only a roller will do this work.

In addition to less cost, a stone road built with a steam roller is a complete work. It is in the best of condition to drive on as soon as rolling is finished. Rolled roads are a delight to those who have been accustomed only to old-time methods, and have done much to popularize county road systems.

THE GRADING MACHINE.

The grading machine has done much to reduce the cost of grading, draining, and turnpiking roads, and to improve the character of the work. The usefulness of a grader, however, depends wholly on the skill and experience of the operator, and the system of using it. The machine has not itself intelligence—this must be supplied by the municipal council in the provision made for operation.

The grading of the roads of any municipality should be undertaken as early in the spring as condition of the soil will permit. The work should have been carefully staked out by the road superintendent. The machine and equipment,



A Road Grader drawn by Traction Engine, in Frontenac County.

horses and men, should be employed for the season or until the work for the season is all completed. The several jobs should be taken up in series across the township or county instead of sending the machine and equipment here and there, back and forth in an unsystematic way. When the work is undertaken without system, green horses are used on every new job and have to be trained for the work. New men have to be trained for every new job. Half the time of the men and horses is taken up in hauling the machine back and forth across the municipality. The work of grading is too important to be carried on by unskilled labour, and the grading machine should be in charge of one man for the season; and he should be employed year after year for this work, as far as circumstances will permit.

The grading or turnpiking of roads is a much neglected department of road construction. Any one without experience or training in roadmaking can haul gravel and dump it on a road. Any one can break up stone and spread it over the road surface with ordinary results. The spreading of gravel and stone on a road is commonly looked upon as the important phase of roadmaking; some appear to think it the only part of roadmaking that deserves consideration.

The common method of making a road in some townships is to merely haul the gravel or stone to the road and string it along in a more or less irregular line. It frequently follows the windings of an old earth roadway thrown up by statute labour years ago, before the country was wholly cleared. It was consequently bent and twisted along the road allowance to avoid streams, logs and other obstacles. The cutting of hills and the filling of depressions was only partially undertaken. To call the spreading of stone in this way "road construction," is a very unfortunate meaning to attach to the work.

The grading of a road requires careful and discriminating judgment based on experience. The grading of a road means that it will be turnpiked; that the alignment of this turnpike will be straight and in the centre of the road allowance; that hills will be cut down and hollows filled up with the exacavated earth; that the drains will be deepened or cleaned, or carried to a free outlet as circumstances may require; that the camber or crown of the road will be carefully considered; that the shoulders will not drop off in straight lines, but will be given a full curve; that earth will be brought to the edge of the stone so as to give the roadway a full and complete surface.

The placing of stone or gravel on roads, as commonly done, requires little judgment. Grading, on the other hand, means that the man in charge will use intelligence, coupled with painstaking effort to get the work right. The grading of a road is the cheapest part of the work as a rule, for the expense in most localities will arise through the treatment and hauling of gravel or stone. The cost of grading is low, but it is the crucial point in the building of a road.

THE ROCK CRUSHER.

Rock crushers with screen attachments are used for breaking quarry stone, field stone, and for treating gravel. They are being largely purchased throughout the Province. Under suitable local conditions they are an essential part of a roadmaking plant. They are subject to severe strain, and in selecting one of these machines, municipal councils should seek strength and economy of operation rather than a low first cost. Portable crushers such as are rated at 100 cubic yards in ten hours are more economical than small sizes, as the cost of operation is nearly the same in either case.

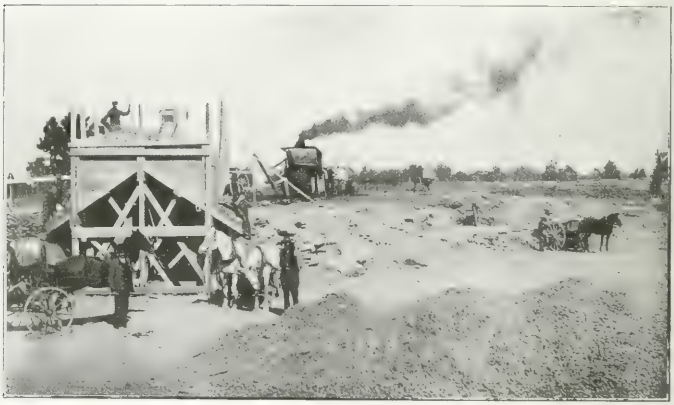
Crushed quarry or field stone of reasonable quality is much more durable than is common gravel. The comparative life of stone and gravel roads depends on the amount of traffic. Gravel may give good service under light travel. But the heavier the travel, the more favourable becomes the use of broken stone, which is more durable and does not wear and rut so readily as does gravel. It is ordinarily assumed that one load of crushed stone is equal to two loads of gravel.

Crushed and screened gravel very often does not cost any more, on the road, than does gravel in its natural state. This arises in two ways from reduced cost of teaming and loading:

(1) Coarse or loamy or sandy pits near the work may furnish a supply of gravel suitable for crushing or screening, but not fit for use in its natural state, and in this way the shorter haul and reduced cost of teaming offsets the cost of crushing.

(2) By elevating the crushed gravel to a bin, wagons may be loaded in three minutes, instead of in a quarter of an hour or twenty minutes, so that teams are not paid for standing in the pit.

Bins should always be used to receive stone from the crusher. Unless this is done, the crusher must frequently be stopped, keeping the entire equipment of men and machinery idle, while waiting for empty wagons. For the same reason, if field stone is used, it should be piled in advance of crushing, so that the outfit will not be idle while waiting for loads of stone to come up. By piling stone in the winter when farmers are idle the cost is usually lessened.



Stone Crushing in Prince Edward County, loading screened stone from the bin.

A rotary screen should be used on each crusher, elevating the crushed gravel or stone to the screen by means of chain buckets. The size of perforations in the screen will depend on the material being crushed. For ordinary quarry limestone or field stone when a roller is used, it is desirable to separate the material into three grades:

(1) Such as will pass a 1-inch mesh.
(2) Such as will pass a 3-inch mesh.
(3) Tailings.

The "tailings" or coarsest size passing the crusher should be put in the bottom of the road. The 3-inch material should be spread over the tailings. And the 1-inch material can be used as a surface dressing. Care should be taken not to use too much of the surface dressing—merely enough to assist consolidation with a roller.

For crushed gravel the screen should have a wire dust jacket wrapped around part of the 1-inch section of the screen to remove sand, dust and loam, using

a 3/8-inch mesh for this purpose. This fine material should be wasted. When spread on top of the stone to a depth of two or three inches as is sometimes done, the effect of screening is largely lost, as the fine stuff turns into slush in wet weather and ruts are commenced. There is usually plenty of sand and mud on the road without paying for hauling more. Clean stone, well consolidated by rolling, is what is needed on the roads.

STAKING THE WORK.

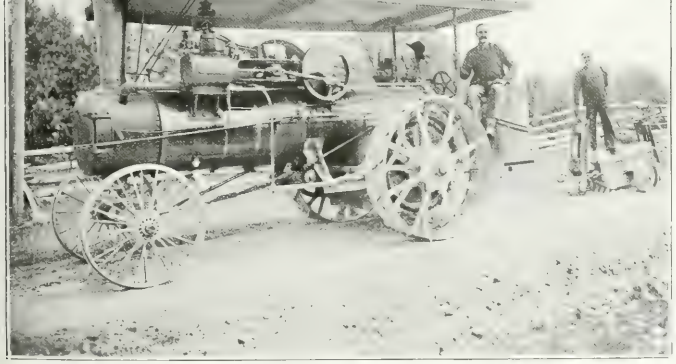
Work should always be staked out in advance of grading, draining or metalling, so as to keep the road as straight as possible or in the most desirable location. Stakes should be about 12 or 18 inches long, and placed about 100 feet apart on straight stretches. On curves, they should be close enough to guide the plow, grader, and spreading of stone.

The centre of the road should first be determined at points several hundred feet apart—as far as pickets can be seen. Then measuring a uniform distance to each side of the road where a line of stakes will not be disturbed in grading, (say 20 feet from the centre) plant pickets. Measure with a tape line and place stakes temporarily at proper intervals (usually 100 feet); and when this is done sight them into a true line between pickets. An engineer can use a transit for this work; but a reasonably true line can, with experience, be sighted in with the eye.

From the stakes so planted, foremen can measure to the centre or side of the road, drains, edge of metal, etc., and keep the work in alignment.

THE SCARIFIER.

The road scarifier is a machine almost unknown in Ontario, but is an extremely useful one for roadmaking purposes. A scarifier has been used by the



A Road Scarifier operated by Traction Engine in Frontenac County.

County of Frontenac during 1909. This machine cost $475, and is used in breaking up the surface of old stone roadbeds, in order that the roadbed may be properly shaped before putting on new material. It is of special use in a locality such as Frontenac, where crushed stone has been largely used for years. By means of the scarifier, the grading of these old roads can be more cheaply and effectively done. When properly shaped, there is a considerable saving of new material, as less new crushed stone is required to crown the road and fill up inequalities. This work is at times done with a road grader, but is a severe strain on that machine and usually results in considerable outlay for repairs. Counties and townships having the treatment of old gravel and stone roadbeds to consider should study the results obtained by the use of a scarifier.

ROAD DRAINAGE.

Roads are good in summer because they are dry. Roads become axle-deep with mud in spring and fall, because they are water-logged. Water accumulates on the surface and under the surface of the roads in fall, winter and spring, until the soil is of a semi-fluid condition. Acted upon by frost, the expansion of this water in the soil leaves it loose, open and porous. Whatever other quality a good road may have, it must be well-drained either naturally or artificially.

Past expenditure on roads, and the present ordinary methods of expenditure, have been of but temporary service, for the reason that roads have been left in an incomplete condition, with little if any drainage. Traffic during one or two springs, when the roads are in a water-logged and flat condition, cuts through the surface covering of gravel or stone. The mud, under pressure, oozes through gravel and stone, and the road is churned and flattened back to its original state.

Roads in Canada to-day are bad for the same reasons that they were bad in England a century ago, before the time of McAdam. They are drainless quagmires, swallowing the stone and gravel placed on them. Townships commonly spread stone on their roads and speak of them as being "macadamized." To macadamize our roads means, in the first instance, that we must thoroughly drain them by surface and under-drainage. The essential principle of a macadamized road is drainage. This was the principle advanced and introduced by McAdam, and it is the one so commonly neglected throughout Canada to-day.

Roads with a high grade are not necessarily well drained. It has been the practice to excavate from the sides of the road, and throw the earth in the centre of the road allowance, to raise and level the grade. Unless the excavations on the side of the road have a continual fall to outlets in such a way that the water will flow away, they are not drains. Excavations without outlets are merely elongated ponds, which hold the water and permit it to soak into and soften the roadway. In this way, mud is formed underneath the roadway, and mud below the surface is just as injurious as mud on the surface. Drains must cause the water to flow away, not soak away. As soon as water falls on the road allowance, it should be made to flow down grade until it is entirely drawn from the roads.

Specifications covering the construction of old toll and company roads built through Ontario half a century ago, usually required that the open drains by the side of the roadway should not permit the water to rise within two feet of the surface of the road. These open drains are dangerous for traffic, are expensive to excavate and maintain. To overcome the necessity of these high grades, thrown

up much in the manner of railway grades, the modern practice is to use tile underdrainage. Tile underdrains have practically the same effect as deep open drains in lowering the water line; or, what is the same thing, they have the same effect as throwing up a high grade similar to a railway grade. They keep a stratum of dry soil underneath the gravel or stone placed on the road surface.

Laying Tile for Road Drainage in Oxford County.

Tile underdrains are not intended to carry away surface drainage. Surface water must still be carried away in open gutters. The object of tile drains is to keep water from rising into the roadbed from below. The manner in which water rises in the ground may be compared to water being poured into a pail. In order to prevent this water rising to the surface of the pail and flowing over the top, it can be kept to any level by cutting holes in the side of the pail. Tile drains are

similar to these holes cut in the side of the pail. The soil above the tile drains is kept in a reasonably dry state, strong enough to support the gravel or stone covering, and the traffic that may come over the road. Water enters the tile from below, not from the top. It must be emphasized that these tile drains are not intended to carry away surface water, but to reduce the level of the water line in the way described.

Complete drainage of a road requires that the roadway built for traffic shall be turnpiked; that is, thrown up to a greater or less height above the natural level of the ground. The surface of this grade must be given a crown or camber to turn the water from the surface of the roadway to the open drains. The open drains must be of a sufficient capacity to carry the water which will naturally enter them, and they must have a continual fall to free outlets. Wherever the soil is of a wet and water-logged character, at any season of the year, tile underdrains should be used. In addition to this, one of the chief objects of the gravel or stone placed on the surface of the road, is to form a strong, smooth and water-proof coating, such as will prevent water entering the road surface from above; but will, instead, turn it to the side drains.

If a well-crowned clay road could be kept smooth and free from ruts during fall and spring, it would not cut up to any extent. It is too soft and weak to prevent the forming of wheel tracks, which quickly deepen to ruts when full of water. To give the clay a stronger surface, gravel or stone is spread over it. This gravel or stone does not permit wheel tracks and ruts to form so quickly, so that water is turned to the side drains. To preserve a gravel or stone road, it should receive constant care, to see that the wheel tracks and ruts are kept flush, and the surface smooth, so that the flow of water to drains will not be interfered with. It is this neglect of the wheel tracks forming in gravel and stone roads, that so quickly causes their destruction. The difference between the better class of roads in Canada, and those of England, France and Germany, is not so much in the method of construction as the fact that, in these countries, constant attention is given to the repair and maintenance of the roads, so that ruts and wheel tracks are never formed.

When undertaking the construction of a road, the first thing to consider is the outlet for drainage. The road should be carefully studied with this in view, and when the different outlets crossing or adjacent to the roads are determined all grading and drainage should be carried on with a view to these outlets, so that the slopes of the road and drains will be uniform and in a proper direction.

Open drains should be on each side of the travelled roadbed. Their capacity should be in proportion to the amount of water entering them from the adjacent fields and slopes. The side slopes of drains should be in the proportion of one and a half feet horizontal to one foot vertical. The bottoms of these drains, wherever practicable, should be at least a foot or a foot and a half wide, and the tops of drains should seldom be less than four feet wide. As previously stated in this article, carry these drains with a constant fall to free outlets, so that there are no pockets or depressions along the bottom of the drains to hold water.

When constructing tile drains, they should be placed at least two and a half feet below the surface of the road. In porous soil, one tile drain along the side of the road will be sufficient. In heavy clay soils, a tile drain on each side of the road should be used. If the soil is a stiff clay, and very wet, the effectiveness of the drains can be greatly increased by filling the excavation over the tile with gravel. Where tile are laid in quicksand, the joints may be wrapped with strips of cotton

to keep out the silt; or it is good practice to surround the tile with a coating of sawdust. Where the bottom of the drain is too weak to support the tile, inch boards may be laid along the bottom, and the tile placed on these. The size of tile used will depend on the amount of water entering them, but less than four-inch diameter is seldom to be recommended. Five-inch tile are preferable in almost any case, as they are not so apt to be obstructed through inequalities in laying the tile, and they give a better circulation of air. Tile should have a minimum fall of three inches in one hundred feet, but one foot in one hundred is much more satisfactory. On level ground the tile may be laid below the bottom of the open drains. On slopes of hills where the covering over the tile will be washed out when laid beneath an open drain, the tile should be laid under the shoulders of the road. On hills, in addition to the tile laid longitudinally with the road, blind drains should be extended diagonally into the centre of the road, to tap any springs or wet spots that may exist.

Roads when completely consolidated should have a minimum crown of one inch to the foot from the centre of the road to the inside edges of the open drains. That is, from shoulder to centre, a roadway twenty-four feet between open drains, should have a crown of twelve inches. This crown is for a fully consolidated road, not for new gravel or stone roads on which the metal is left without rolling. A new road of this kind or even when consolidated should be too high to commence with, otherwise it will soon get too flat. Every tendency of wear and the forces of nature is to flatten out the roadway. If not given an excessive crown at the commencement, it will be more difficult to maintain the road.

Roads should not have a greater width from shoulder to shoulder of drains than traffic requires, as every extra foot of width increases the difficulty of drainage. A width of twenty-four feet from shoulder to shoulder of drains will serve almost all conditions of traffic. A width of twenty feet or even eighteen feet will, in the majority of cases, be found cheaper to build, and much cheaper to maintain While the extra cost of construction may not be an important factor, yet future maintenance and repair, to keep the road surface well drained and free from ruts, is most important in this regard.

Hill drainage by means of tile has been found to be one of the most successful ways of drying hills that are commonly wet and soft in the spring. In many cases it is the only practicable cure. By laying a tile drain along one or both sides of the hill, the ordinary drainage of the hill is cared for, and the blind drains extended into the heart of a spring or seepy spot, will prevent the annual breaking up of the roads in the spring.

Tile drains are useful not only on wet, clay soils, wet loam soils, but also in wet sand. Tile underdrains in a sand road cause it to dry up quickly in the spring, so that traffic does not cut so deeply into the dead sand. This sand, which remains hard and firm in the spring, does not become loose during the drought and hot seasons of summer, so that sand roads when under-drained, do not become so heavy in dry weather.

Drainage is the essential principle in the construction of any road or high class pavement. The chief thing is to get the water away from the road, and to prevent it entering the road, both from above, from the sides and from below. Every step in the construction of a road may be considered in the light of drainage. In this regard the rolling of roads with a steam roller is most important, as it at once compacts the surface covering, and makes it smooth, hard and waterproof. Loose gravel or sand on the road surface permits water to soak through it. The soil under the gravel or stone is then softened and settles under traffic.

In this way the permanence of such a road is greatly reduced. A road which has been constructed and consolidated by means of a steam roller has over it a distinct crust of gravel or stone, clean and free from soil oozing up below.

To build a road successfully, it has to be constructed in long sections, otherwise drainage outlets are neglected or overlooked. Townships and all municipalities should drain their roads, and grade them in sufficiently long stretches to insure that they will be straight, of uniform width, and that the drainage will be thorough and complete.

Old gravel and stone roads are frequently destroyed in an effort to crown them, by grading the soft material from the shoulders and sides to the centre of the road, covering the old gravel or stone bottom with sod, loam and clay. Grading machines are a very useful implement, but used in this way they have been the innocent cause, through their operators, of doing an immense amount of injury to the road. This sod and soft material should be turned away from the road, not drawn to the centre. It should be thrown across the open ditches, should be used to level the sides of the roads; or in many cases the property owners along the road will be glad to haul it away for the purpose of making fills on their farms and farm yards. The grading of old stone roads in this way has been neglected throughout the Province. Money is being lost annually by failure to cut away the sides of these old roads in such a way that they have proper surface drainage. If, when the sides are cut away, the stone is still flat or rutted, the proper method of construction is to renew the stone surface by the addition of a new covering of gravel or stone. There are many details of road construction which require careful consideration, but they almost always revolve upon the necessity for complete drainage.

TOWNSHIP ROAD BY-LAWS.

Improved supervision is the key-note of the following form of by-law submitted to township councils as a means of dispensing with statute labour, and establishing more effective methods.

The by-law should be changed in details to suit local conditions, but the main feature should remain—that the management of the work be centralized in one road superintendent.

All users of the public highways know when they are driving on a good road. Many people have a reasonable idea of how a road should be built. But the men are very rare who, knowing a good road and how it should be built, have the ability to organize and direct the work of building roads in an efficient and economical way. Failure to recognize this fact has led to much useless expenditure on roads in Ontario.

Having adopted such a by-law it is important that the superintendent appointed under it should be a man of certain qualifications.

He should be able to organize and manage the labour of men and teams so as to secure maximum results. To do this he should be a man of cool temper and self-control, otherwise he cannot control others.

He should be a man of ingenuity in avoiding difficulties, and of overcoming them when they arise. If it were not for unexpected emergencies, a large part of the necessity of a superintendent would vanish. But in road-building as in other works "it is the unexpected that happens."

He should be of practical disposition, ambitious and energetic, in order that he will seek for and adopt the best ideas in all departments of the work.

He should be straightforward in his dealings with the public; having the courage of his convictions, of unquestioned honesty, and fair with all employees.

A superintendent with such qualifications as those outlined is needed in carrying out a good system of management. It is the duty of the council to find such a man, and to keep him in office in order that his growing experience will be of increasing service to the municipality.

BY-LAW No. ——

A By-law respecting road improvement and maintenance within the Township of ————, and the expenditure of moneys thereon.

Whereas the highways of the Township of ————. have been maintained by statute labour performed thereon, supplemented by sufficient grants from the township levies to meet all the expenditure connected therewith, and;

Whereas it is desirable that all work of highway improvement and maintenance should be under the supervision of a road superintendent acting under the direction of, and responsible to the council.

Be it therefore enacted by the Municipal Council of the Corporation of the said Township of ————, and it is hereby enacted,

1. That from and after the passing of this by-law no statute labour shall be levied or assessed against any person, resident or assessed, in this municipality. Statute labour abolished.

2. That the council shall, in each and every year, in lieu of statute labour levy such amount as may be necessary upon the rateable assessment of the municipality, to be expended in the construction, improvement and maintenance of the roads and bridges of the townships. A special rate to be levied for road purposes.

3. That the sub-division of the public highways of the township into statute labour divisions, as at present, is hereby abolished, and in lieu thereof the township shall be divided for road purposes into four districts or divisions, in order that, in expending the moneys so levied, a sum as nearly equal as may be to that collected within each of the said four divisions, may be expended therein for the improvement and repair of highways; the said divisions to be as follows: Road divisions.

Division 1 .....
Division 2 .....
Division 3 .....
Division 4 .....

4. That the council shall appoint a competent person as superintendent to oversee the construction and repair of the highways, bridges and culverts in and bordering on the municipality, and such superintendent shall be governed by by-law and direction of the council, and shall hold such office during the pleasure of the council, and at such remuneration as may be fixed by the said council or mutually agreed upon. A road superintendent to be appointed.

5. That the clerk of the said municipality shall, as soon as possible after the holding of the last Court of Revision in each year, notify the council of the probable amount of money to be expended in each division. Expenditure in road divisions.

6. That the council shall notify the said superintendent where to procure gravel, lumber tile, culvert pipe or other material to be used, and shall provide for his use all necessary books, pay sheets, notices, etc., required for the proper performance of his duties. Purchase of material, etc.

7. That the collector of taxes for the township is hereby authorized and empowered to collect the sum of one dollar each from every male inhabitant of the township between the ages of 21 and 60 years (not otherwise assessed or exempt), accounting therefor in the same manner as other taxes. Poll tax.

8. That the said superintendent is hereby appointed inspector under the provisions of By-law No. —— of this municipality, and of the Act to Prevent the Spreading of Noxious Weeds, with full power to prosecute any party or parties violating the same. Noxious weeds, etc.

Additional expenditure.

9. That the council may at any regular meeting set apart such further sums of money as may be required for the improvement and maintenance of the highways, and for the purchase of road materials, tools, machinery, or for jobs and contracts.

Duty of treasurer.

10. That the treasurer of the municipality is hereby authorized to pay on the order of the said superintendent any sums which he may be directed so to pay by resolution of the council.

Day's work.

11. That a day's work for all persons engaged by the superintendent under this by-law shall consist of ten hours' faithful service, exclusive of the time spent going to and coming from work, but payment in all cases, except upon job or contract work, shall be by the hour, and shall be at such price per hour as may be agreed upon with the road superintendent.

Duties of road superintendent

12. That the duties of the road superintendent shall, subject to more definite directions of the council, be as follows:

(*a*) To attend regular meetings of the council, or special meetings if so desired by the council, to receive instructions regarding works to be undertaken and carried on by him; also to report at meetings of the council as to the road work then in progress.

(*b*) To report to the council early in each year as to the work required the coming season, to carry out the instructions of the council with regard thereto, and to perform such business or other services as may be required of him from time to time under the instructions of council.

(*c*) To supervise all work of construction and repairs on the roads and bridges within his division.

(*d*) To acquaint himself with the best methods of constructing and maintaining good roads, and of operating graders, crushers, rollers, and other road machinery used by the municipality.

(*e*) To employ, direct and discharge all men and teams required to carry on the work, and to purchase necessary materials.

(*f*) To see that all washouts, drain and culvert obstructions, bridge failures, and other unforeseen defects are repaired or guard-railed with the least possible delay, so as to prevent further injury to the road, or accident to the users of the road, and to act promptly in all cases of emergency.

(*g*) To keep an accurate record of the men employed and the work done, and to furnish (on forms prescribed by the council) pay sheets, accounts and vouchers to the council or road committee at proper intervals for their approval, in order that the municipal treasurer, under authority of their certificate, and upon being satisfied with the correctness of the statement, may issue cheques for the payment thereof.

(*h*) To see that all works (especially for the road grader) are staked out, and see that they are undertaken systematically so that no time be lost in taking men, teams and machinery from one part of the municipality to another.

(*i*) To keep stored and protected all machinery, tools and implements owned or used by the municipality, and to store and protect all supplies and materials not immediately used.

(*j*) To supervise the performance of all work done by contract, and certify as to its completion.

(*k*) To supervise the opening of snow roads under such regulations as, in the opinion of the council, the needs of the municipality may require.

(*l*) To report to the council at the close of each year, showing in detail the character, location and cost of each separate work undertaken.

(*m*) To engage overseers (or foremen) throughout the municipality, these in the event of a washout or sudden giving away of a culvert or bridge, to protect it and report at once to the road superintendent; to act promptly in any emergency; to make minor repairs as directed by the superintendent; to collect men when necessary and open snow roads; to furnish to the superintendent an accurate record of time and work done; to perform such other services as the road superintendent may desire, such as on earth roads to use the split-log drag; on new gravel or stone roads to keep the metal raked to place.

Payment of accounts.

13. That the method of making payment of all road accounts shall be as follows:

(*a*) All accounts for machinery, tools and repairs to same, materials for roads, or labour, shall be certified by the road superintendent as being correct, or he shall state where they are incorrect before being submitted to the proper committee to be passed for payment.

(*b*) He shall clearly show in his certificate whether the expenditure is for construction or repair, for new machinery and tools, or for repair to

machinery and tools, and in the case of materials and labour shall state the specific work or works or road or roads for which they were used.

(*c*) All accounts and time-sheets before payment by the Treasurer shall be certified by the road superintendent, and shall be checked and countersigned by the Reeve.

(*d*) Two time books shall be furnished the foreman of each road division. The time-book shall be made up each Thursday night, certified by the foreman as being correct, and shall be immediately sent by him, under sealed cover, to the road superintendent.

(*e*) Time-sheets shall be made up by the road superintendent from the time-book, and shall include wages only, except such small expenditures as the superintendent may necessarily make from time to time.

(*f*) When the time-books are received by the superintendent he shall check them over, extend them, and make up the time-sheets therefrom. The time-sheets shall then be checked over and countersigned by the Reeve, and handed to the Clerk to be dealt with as any other account.

(*g*) Payment of the amount of the time-sheets when countersigned by the Reeve and approved by the proper committee shall be made by the Treasurer to the road superintendent. He shall then proceed to pay the foreman or men, in accordance with the time-sheets, taking from each his receipt, opposite his name, for the amount paid him as set out in the time-sheets. In the event of a man being unable to sign his name, he shall make his mark, and the same shall be witnessed by a man other than the foreman or the superintendent.

(*h*) It shall be the duty of the Clerk to submit to the proper committee all accounts and time-sheets, properly certified by the road superintendent and countersigned by the Reeve, and such accounts as are approved by the committee shall be at once transmitted to the Treasurer for payment.

(*i*) It shall be the duty of the Treasurer to pay all road accounts upon the certificate of the road superintendent, countersigned by the Reeve, and approved by the proper committee of Council.

14. That by-law No. ——— of this township and any other by-law, or parts of by-laws, contrary to, or inconsistent with the provisions of this by-law are hereby repealed. By-laws repealed.

STREET IMPROVEMENT IN TOWNS AND VILLAGES.

A town that has water works, sewers, and parks, substantial residences, and a well-built business section, well-kept lawns, good walks, avenues of shade trees, and trimly kept streets is distinctly a better place for business and a more desirable place to live than is a town in which reverse conditions prevail.

Attractive and pleasant surroundings have been desired and sought for by mankind in every age, the world over. There has been throughout Ontario, of recent years, a healthy tendency toward civic improvement in keeping with the material progress of the country. Men are seeking to satisfy their taste for better surroundings. With some, it is a personal desire for improvement; others see in it a good business investment. In either case it grows out of the fact that beauty attracts and ugliness repels.

Canada is not many years away from pioneer conditions. The recent period of growth and development of towns and cities has found us unprepared. The necessity for sanitary and other improvements has faced us with an array of requirements that is, in many cases, discouraging. We are apt to think ourselves alone in the predicament. But nothing could be farther from the truth. The fact is that, throughout the world, the improvement of cities in all these respects is of comparatively recent origin. The modern idea of paving is scarcely half a century old; a century ago, the sewage of London ran on the streets in open gutters. Waterworks systems have grown up largely since the invention of steam power. One hundred years ago, the roads of England and Scotland, now among

the finest in the world, were in an incredibly bad state, and the same is true of France, Germany, and other countries whose highways are on a par with those of England.

Improvement Possible in Every Community.

Of all possible works of improvement, the streets of cities and towns call for most general attention. There is no work which, for expenditure, will make better returns in advanced property values. The public streets constitute a system of parkways which every town possesses. There is absolutely no excuse for the state of disorder in which they are so often left.

Street improvement does not necessarily imply their complete construction with expensive roadways and pavements. The smallest village can have its streets graded, drained, and kept clean and neat at so low a cost that neglect is inexcusable except on the ground that the means of so doing are not generally known and understood. There are two phases of street work— the one implying little more than neatness, the result of good grading and draining, with subsequent care; the other reaching into construction of pavements of a more or less expensive type.

The complexity of municipal services is nearly as great for a town as for a city. The city requires large works, but there is proportionately a great amount to spend upon them. Towns require waterworks, sewers, sewage disposal, well designed streets but they have to be obtained for a less expenditure and the greater economy very often demands proportionately greater skill. The planning of a town in all these respects should, as far as practicable, be undertaken as one work -not a series of disconnected sections. Just as a house is now planned with water service, waste-pipes, sewer connections, and electric wiring considered in connection with foundations, walls and partitions, so the more nearly a town's services can be dovetailed into the one system, will there be less future expense when these are installed. The tearing up of pavements to lay sewers, water and gas mains is one of the chief results of unsystematic methods.

Classification of Streets.

Streets of a small town naturally fall into several classes as regards paving. There is the immediate business section, with roadway from sidewalk to sidewalk where the best pavement the town can afford should be laid. For this we may have a well-built broken stone roadway; or preferably may look to the higher class of pavements, such as vitrified brick, asphalt block or concrete. For main thoroughfares, entering a town with farm traffic, a well built macadam roadway is a standard. Other streets, of still less importance, should at least be graded and drained, looking to an ultimate coating with gravel or broken stone.

An ideal pavement, meeting all conditions as to durability, cost, cleanliness, noiselessness, smoothness, foot-hold for horses, appearance, etc., has not been invented; so that in selecting a pavement, it is necessary to select the best average, suited to conditions of each street. Granite blocks on a concrete foundation are noisy but have strength suitable for heavy dray traffic in the manufacturing or wholesale district of a large city; a light gravel road is suited to the needs of a park; to use granite blocks for a park driveway is equally out of place with light gravel for heavy dray traffic. A careful adjustment of pavement to traffic and other requirements is necessary, and for this, all the standard pavements have qualities which make them desirable under certain circumstances.

Drainage of Streets.

Before considering further the details of street design it should be emphasized that good drainage is essential for any class of improved street. Good drainage is the first principle of roadbuilding of any kind. A clear understanding of drainage and its influence on roads and pavements is essential to a skilful handling of this work. For this reason the improvement of streets can hardly be considered apart from sewers. To pave streets—then to tear them up to lay sewers is not only wasteful in method; but sewers are necessary for the efficient handling of storm water. The town with a good system of sewers has taken a valuable step towards modern street improvement as a means of outlets for drainage. Drainage should provide both for surface and sub-soil water. That is, there should be gutters or open drains, with outlets to carry away storm-water and drainage from the roofs of houses; but further, by means of porous tile drains, the water line should be kept at least two feet below the grade of the roadway. If a village or street does not require an effective sewer system, the porous tile drains may be employed both for storm and sub-soil drainage.

Design of Streets.

By means of underground drainage, the streets of towns may depart from the general plan of country roads, in which large open drains and a high grade are so often necessary to provide a bed of dry soil under the metal surface. This is the distinguishing feature of town streets, that by a complete system of sewers and underdrains, the grade may be lowered, and shallow gutters take the place of open drains.

In the design of a town street in the business section, the roadway should be paved from sidewalk to sidewalk. The usual width of streets in Ontario is sixty-six feet. This provides for a roadway 40 or 42 feet wide, and walks on each side twelve or thirteen feet in width. This is the plan of Yonge Street, Toronto, and is generally followed throughout the Province.

For residential streets—or any street not in the business section—a design which meets with a great deal of favour consists of a roadway 24 feet wide, bordered on each side by a 6-inch concrete curb. Between the curb and the walk is a strip of sod about 6 feet wide; then the sidewalk 5 feet wide; then the remainder of the allowance (9 feet 6 inches on a 66-foot street) is sodded and in appearance added to the depth of the lawns. When streets have been graded and boulevarded in this way, the usual effect is to cause the owners of private property to remove fences, improve their lawns, plant flowers, and get busy with the paint pot. Many residence streets in towns and cities are only 18 or 20 feet from curb to curb and traffic is not inconvenienced. With a narrow roadway the cost of construction is less, maintenance is less, and the appearance of a street is improved by the wide boulevards.

Every care should be taken to get the grade of a street right. This is a distinguishing point between a town street and a country road. The crown of the roadway should be no higher than is necessary—usually no higher, preferably lower, than the sidewalk or the curb. To anyone driving along a street of the high country road type, the houses look low and "squatty," and the appearance of the street is in every way inferior.

The building of a town street then, involves considerable excavation, which can usually be placed in the boulevard or in adjacent low-lying lots. The shorter the haul, the less the expense. Having graded the street, the earth roadbed should be tile drained—thoroughly rolled, and it is then ready for the pavement.

Broken Stone Roads.

For a macadam road, crushed stone of the best kind obtainable in the locality will ordinarily be used. Field stone or quarry limestone are most common in Western Ontario, while in the East, granite, gneiss and trap may be had. Crushed and screened gravel may be used. Natural pit gravel may be laid for a foundation, and over this may be spread a wearing surface of crushed stone. Or a foundation of large flake stone, laid by hand and rolled, gives good service. The depth of consolidated material should be, on town streets, eight to ten inches. On residence streets it may be spread to a uniform depth, curb to curb, or may decrease in thickness toward the curb according to the requirements of traffic. Whatever material is used, it should be thoroughly consolidated by rolling. A roller is an absolute necessity in making an economical and durable roadway for either town or country traffic. That broken stone roads are not more frequently used in large cities is due to the fact that the maintenance is apt to be neglected under frontage methods of assessing the cost. By sweeping and cleaning as with an asphalt pavement, and keeping the surface smooth and rounded, they have a fine appearance, and give satisfaction in the smaller cities. Dust can be kept down by the use of oil.

Higher Class of Pavements.

Coming to the higher grade of pavement for a central business section, the small town is debarred from the use of sheet asphalt owing to the expensive plant needed for construction and repair. Choice will necessarily be made between vitrified brick, asphalt blocks, Westrumite, concrete or high class broken stone ("macadam") roadways. Apart from broken stone, and various tarred roads, such as "Tarvia" the pavements are practically the same up to the surface covering. That is, they all require the same concrete foundation, 5 or 6 inches in thickness, and the same concrete curb and gutters. In order of first cost, prices have ranged, with concrete as cheapest to Tarvia, Westrumite, vitrified brick and asphalt block. No one of these pavements can be said to be superior to the other in every respect. Whatever pavement is selected, the chief point is to see that only first class material is accepted; that the concrete foundation is good, and that workmanship in laying is what it should be.

Samples of concrete pavements may be seen in Windsor, Chatham, and to some extent in Toronto. Asphalt block may be examined in Windsor, Seaforth, Stratford, St. Catharines, Guelph or Toronto, and vitrified brick is largely used in Toronto, and may be seen in St. Thomas, Guelph, Chatham or Petrolia. Westrumite is a comparatively new asphaltic pavement in Canada and may be seen in Brantford or Guelph. A "Tarvia" pavement has been laid on University Avenue, Toronto, and is a proprietary form of "tar-macadam," in which refined tar is used. Bitulithic is a pavement with a refined tar base, and is used in a number of cities, Toronto, Chatham, London, and elsewhere, but, like sheet asphalt, requires an expensive plant and skilled labour to construct and repair, so that it is not adapted to small towns. Good samples of ordinary macadam may be seen in Toronto, Galt, St. Thomas, Kingston, Belleville, Ottawa and other towns and cities. No attempt is made in any case to give a complete list of the places in which any of these pavements are used. Councils having matters of street improvement before them should visit a number of these places in order that different methods and materials may be compared and the most suitable selected.

Curbing and Gutters.

Concrete curbing is growing in popularity as a means of narrowing roadways and protecting the boulevards. It may be used on an earth roadway or any class of street. Combined with a concrete gutter, they are a necessity on any of the higher class of pavements. The cost of curbing, as with everything else varies, but is usually about 25 or 30 cents per lineal foot for curb alone; and 40 or 50 cents per lineal foot for concrete curb and gutter.

Management and Cost.

No hard and fast price can be stated for any class of roadway or pavement. Local conditions as to labour and material are the ruling factors. The system of management in any case, may double the cost or reduce it materially.

To get results that will be satisfactory, every town undertaking street improvement, should employ an engineer. If there is not a local man, then one who has made a success of this work in his own town. It is the work of the engineer to map out the drainage, give grades, prepare specifications, and in general give such expert attention as will produce uniform results. The patch work that so many towns in Ontario have been carrying on to save an engineer's fee, is deplorable. To save $15 or $50, councils are easily losing from ten to one hundred times these amounts in results. Every town and village should at least have a definite plan of improvement mapped out under an engineer's advice so that each succeeding council can work on a uniform system from year to year, such as will in a term of years, accumulate into a complete improvement of the town.

Influence of Citizens.

Too much dependence is placed on councils in municipal matters. Councils can proceed only so far as the wishes or knowledge of the citizens will permit. The improvements of this kind that have marked the towns and cities of England, France, Germany and the United States have not been the production of councils alone, but by a united effort of the people working in local "Municipal Improvement Societies," or other similar organizations. Councils can be stimulated and supported by the co-operation of citizens in this way, and it is only by united effort that old and antiquated methods can be replaced by effective modern systems.

SPECIFICATION FOR CLINTON STREET IMPROVEMENT.

The following specification was suggested for the town of Clinton, and may be adapted to local conditions of other municipalities:

1. The location and approximate extent of pavement to be laid under these specifications, are as follows: ..... Location and extent of work.
.....
.....
.....

2. The space over which the roadway and curb are to be laid shall be excavated to the required depth below the elevation of the finished roadway in accordance with the plans and schedule, on file at the office Excavation and grading of roadway.

of the clerk of the town of Clinton, and forming part of these specifications. Such excavation to be twelve inches below the average level of the sidewalks, or as otherwise determined by the engineer. Perishable or objectionable material shall be removed to a further depth to secure a firm foundation if so required by the engineer. Such excess excavation shall be filled with gravel or other material approved by the engineer, and the bottom of the sub-grade thus obtained shall be then made thoroughly firm and solid by pounding and rolling. For all extra excavation or filling ordered by the engineer the contractor shall be entitled to the sum per cubic yard defined in section 17 (b) of this specification.

Removal of excavated earth and rubbish.

3. The earth taken from the excavation for the roadway and curb is to be used in properly grading up the boulevards and filling in any portion of the roadbed which is beneath the grade line on the proposed improvement; and the surplus earth is to be teamed from one point of the street to another as may be required in making the said boulevards where there is not sufficient earth, or in raising the elevation of lots adjacent to the street. All the earth in excess of that required on the street, or streets, stone, gravel, posts, stumps, or other obstacles or rubbish, shall remain the property of the town, to be removed by the contractor to such a point or points as the engineer may direct; if not hauled for a distance exceeding one-half mile from the street, such removal to be without extra charge.

Levels, stakes and bench marks.

4. The curbing, grading, draining, paving, and all work connected herewith, shall be completed to the lines and levels given by the engineer. No stakes or bench-marks placed for this purpose by the engineer shall be moved or effaced by the contractor without the permission of the engineer.

Tile drainage.

5. The contractor is to furnish the tile and construct a five-inch field tile drain along the inside or road side of the curb line on each side of the street, as shown upon the plan on file at the office of the clerk of the Town of Clinton. The tile are to be placed in an eight-inch trench, the bottom of the trench to be at least thirty inches below the sub-grade of the roadway; and the tile shall be uniformly and evenly laid with a fall of not less than three inches in one hundred feet, to a proper outlet. Where it is found necessary by the engineer in reaching a suitable outlet to carry the line of tile beyond the street allowance the contractor shall receive the sum defined in section 17 (c) of this specification for each rod so laid beyond the limits of the street allowance. Tile drains for carrying surface and other water through or under the street or roadway shall be laid as indicated upon the aforesaid plans and profile, or as otherwise directed by the engineer. All tile used shall be of the best quality of clay, manufactured expressly for drain purposes, in lengths not less than one foot, and of uniform diameter throughout. All earth excavated in the laying of these drains shall be returned to the trench, being thoroughly rammed and pounded in layers not exceeding one foot in thickness, and rendered perfectly firm and solid to the satisfaction of the engineer. When sewer pipe is

required in place of common tile such pipe shall be furnished to the contractor by the municipality, and shall be laid in all respects to the satisfaction of the engineer.

Concrete curbs.

6. The contractor is to construct upon each side of the roadway, throughout the whole length of the street, a concrete curb, as shown upon the plans hereinbefore mentioned, such curb to be perfectly true to the lines and levels given by the engineer. At each street, lane, alley, private way, etc., the curbing shall, unless otherwise directed, be returned to the sidewalk, the returns to be placed at an angle of thirty degrees with the line of the curbing. The earth at the back of the curbing is to be thoroughly rammed, so as to ensure stability of the curbing. The material and workmanship used must be in conformity with the specifications and plans for curbing hereto attached. The price paid the contractor is to be as defined in section 17 (f) and 17 (g) of this specification.

Boulevards to be levelled and trees preserved.

7. The boulevard between the curb line and the sidewalk is to be regularly levelled off from the grade line at the top of the sidewalk to the curb or roadway as directed by the engineer. The boulevard between the sidewalk and the street limit is to be regularly and evenly graded by cutting down or filling in as may be required, so as to conform to the grade of the sidewalk, except where otherwise directed by the engineer, in order to conform to the elevation of the lawns along the said street. The boulevards are to be left smooth by raking and levelling. The contractor in doing the work must excavate or fill in around trees on the said street in a careful manner so as not to bark or injure the said trees.

Water gullies, manholes, stand pipes.

8. Returns and offsets, if necessary, must be made in the line of the curb around any trees, catch basins or other permanent obstructions on the streets.

Lane and street intersections.

9. All intersections of private lanes and entrances to private property are to be properly graded and paved in the boulevard by the contractor at a gradual slope from the line of the street allowance to the bottom of the gutter, and all street intersections are to be graded and paved as directed by the engineer, to conform to the finished grade and pavement of the street.

Broken stone surface and quality of stone.

10. The surface of the roadway is to be covered with crushed stone to a minimum depth of eight inches in the centre and four inches at the curb after consolidation, to be regularly and perfectly spread over the whole of the roadbed to a depth to conform to the cross section shown on the drawings, and proportionate to that specified for the centre and curb. The crushed stone is to be furnished by the contractor and shall be durable limestone, granite or field stone, of such quality and broken to such dimensions as may be approved by the engineer and authorized by council of the town of Clinton. All stone used must be free from clay, loam or earthy material. Quarry strippings will not be accepted.

Placing stone on the roadway.

11. The broken stone is to be placed on the roadway in the following manner:

(*a*) Coarsely crushed stone of a size that will pass through a four-inch ring, and be retained by a two and one-half-inch ring is to be placed over the central portion of the sub-grade to such a depth and width as the total depth of stone will permit, this to be rolled dry to a firm and even surface, and additional stone is to be added wherever depressions appear or the camber becomes too flat under the roller.

(*b*) Upon this shall be spread a layer of crushed stone such as will pass through a two and one-half-inch ring, and be retained by a one-inch ring, to be three inches in depth after consolidation at the centre, and such further depth at the centre and sides as will bring the roadway to the line of the finished grade, this to be rolled dry to a firm and even surface, and additional stone is to be added wherever depressions appear or the camber becomes too flat under the roller.

(*c*) The roadway so formed shall be coated with screenings, thoroughly saturated and rolled. Screenings are to consist of stone chips and dust such as will pass a one-inch ring, an excess of dust to be removed by a dust jacket attached to the screen if required by the engineer.

Screenings not to exceed necessary amount.

12. Special care must be taken that the screenings shall not be in excess of the quantity necessary for consolidating the road, nor shall less be used than is needed to maintain a smooth surface. The screenings shall be uniform and thinly spread, and additional quantities shall be added as may appear necessary after watering. Screenings are to be added to or removed from the surface as may appear necessary to the engineer, at any time during the progress of the work.

Manner of rolling and wetting roadway.

13. Rolling shall be commenced at the edges or curb of the road, working towards the centre, and shall be continued until the earth sub-grade and each layer in succession is set to the satisfaction of the engineer. The final rolling must be continued until the roadbed is perfectly consolidated and unyielding, to the satisfaction of the engineer. During the whole of the final rolling herein specified, a sprinkling cart is to pass immediately in front of the roller, so that at all times the surface of the road will be saturated with water.

Crown.

14. The finished roadway is to have an average crown of one-inch to the foot from side to centre, and earth excavation and the placing of stone are to be uniformly such as will produce that camber, except as otherwise directed by the engineer in the case of hills, irregular elevations, street and lane intersections, or as the engineer may direct.

Foundation of large stone.

15. Where the natural roadbed is weak, flat, or for other reason a strong foundation is desirable, the engineer may require that a foundation shall be laid below the stone referred to in Section 11 of this specification, such foundation to be constructed of cobble stone, or rough quarry stone of a size not exceeding eight inches in largest dimension,

and of such depth as, in the opinion of the engineer, the work may require. This foundation is to be rolled to the satisfaction of the engineer, this to be followed by a layer of crushed stone described in Section 11 (*a*) of this specification. Excavation for this foundation shall be as required by the engineer.

16. Concrete catch basins in accordance with the plans hereto attached are to be placed and connected with any tile drains by the contractor at such point and at such depth as the engineer may designate, iron covers for this purpose to be provided by the Municipality of the town of Clinton. Catch basins.

17. Tenders are to state unit prices for the work in accordance with the following schedule, and no allowance for extras will be considered except as provided by such schedule, and upon the written order of the engineer:— Tenders.

(*a*) A price per square yard of stone road, excavated, graded, metalled and rolled to completion as required by the general requirements of this specification. The disposal of all earth and the levelling of boulevards is included in this unit price.

(*b*) A price per square yard for excess excavation or fill as defined in Sections 2 and 15 of this specification, measurement to be in the wagon at the work.

(*c*) A price per lineal foot for tile drainage in excess of that described in Section 5 of this specification, in sizes from four to eight inches.

(*d*) A price per cubic yard for foundation stone placed in the roadbed, as described in Section 15 of this specification.

(*e*) A price for each catch-basin in place complete, as provided in Section 16 of this specification.

(*f*) A price per lineal foot of concrete curb.

(*g*) A price per lineal foot of concrete curb with gutter.

BRIDGES.

A new situation has grown up within the past few years in regard to bridge building. Timber has advanced in price until almost prohibitive, while the use of steel and concrete has developed. Wooden bridges have been so long in use, the material is so generally understood, that for short spans little skill was needed in their design, beyond that of a good carpenter or practical workman. It is not surprising, therefore, that much uncertainty has arisen in the use of concrete and steel for highway bridge purposes.

There is frequent request for standard plans for bridge construction, in the belief that bridges are merely a matter of span. This is true to a limited extent only. So long as timber was being used and temporary construction was being followed, present requirement only had to be considered; but concrete and steel are permanent types of construction. Concrete, in particular, is a material that will last for centuries. When materials of this class are being used, it is highly important that they be used with skill, in order that future generations will not regard them as an eyesore or a joke. Every bridge possesses more or less individuality, according to the site and location. The placing of wing walls, the

A Middlesex County Bridge over the River Thames in London Township. Cost $11,000.

amount of water-way to be provided, the fixing of the height of the bridge, the type of superstructure, the requirements of the foundations, and many other details, should be considered, in order that our works may represent to future generations, as well as our own, the skill and knowledge we have actually attained.

The line between a culvert and a bridge is not definitely drawn. By some the difference is considered a matter of size; by others, bridges are regarded as pertaining to flowing streams, culverts to drains.

Small waterways and culverts are vastly more numerous than are long bridges. For one bridge of 100-foot span there are in Ontario a score fifty feet long; while nearly every mile of road has half a dozen culverts for drainage. While the cost of one culvert is trifling in comparison with one large bridge, yet the greater number of small culverts renders them, in the aggregate, an important detail of highway building, and good design, good workmanship and economy are as necessary in the one as in the other.

Short-span waterways, while capable of rough-and-ready methods, are also capable of treatment that will make them an ornament rather than a disfigurement to the King's Highway. A good appearance is not a matter of expense, but of good workmanship in design and construction. Neat culverts are merely a matter of good taste and good judgment, such as every progressive farmer tries to show on his own property.

The smallest waterways may be made of concrete tile, and when well laid are durable and serviceable. Tile culverts should have end walls of concrete extending below the frost line. These walls serve several purposes. They retain the earth at the end of the culvert, prevent water flowing outside of the tile, keep the ends from being washed out and undermined.

There is a tendency to use tile where culverts of larger size should be used. The area of waterway should provide, not for the ordinary flow, not for the average spring freshet, but for the maximum rush that may occur in a term of years. Unless this is done, washouts are certain to occur.

For waterways of larger size than tile culverts, a plan suitable in many cases, simply described, is made up of two side walls, with a slab of concrete between them. End walls are also provided to retain the earth, supporting the hand-rail and acting as wing walls. In numerous cases, to provide for the rush of water, it may be necessary to place the wing walls at an angle with the barrel of the culvert; but walls parallel with the roadway are more desirable where the situation will admit of them.

In all concrete work there is a tendency to failure because of carelessness on the part of workmen. Every precaution should be taken to use clean sand and clean gravel; to use good Portland cement, and to see that all materials are thoroughly mixed. Use clean water. The strength of concrete is as much dependent on the other materials employed as it is upon the Portland cement. Thorough mixing cannot be too strongly insisted upon. The sand and cement are first to be mixed dry. The mixture of sand and cement should then be mixed with the gravel or broken stone, and water afterwards added to make a moist mixture. Wet concrete is preferable to concrete that is too dry, but a happy medium should be aimed at. Concrete should be just so wet that when placing it in the moulds a smooth surface can be secured. This smooth surface should be obtained by forcing a spade between the concrete and the form-work, permitting the wet mortar to flow behind the spade, and thereby obtaining a smooth face of fine material.

In getting a good surface finish on concrete, the process just described should be followed. No dependence can be placed on a coat of plaster over a rough mass of concrete. The plaster is certain to discolour, and will sooner or later scale off. To remove the marks of the timber form-work, it is well to take down the form-work from the exposed faces as soon as the concrete is hard enough, and rub the face over with a flat brick or stone.

It has been stated that concrete should be made of Portland cement, sand and gravel; or in the place of gravel, broken stone may be used. For concrete floors, such as are required for the culvert shown in the accompanying sketch, the proportions should ordinarily be one part of cement, two of sand, and four of gravel; and for the abutments and wing walls, one part of cement, two and a half of sand, and five of gravel. Frequently, concrete is made by mixing cement and gravel only, but in this process there is great danger of having concrete that is very porous. The theory of concrete is that there should be enough Portland cement to fill the voids in the sand; and enough of the resulting mortar to fill the voids in the

gravel or broken stone. For this reason, the entire mixture should grade from stuff that is very fine to material that is coarse. The real strength of concrete is in the strength of the mortar which unites the stones together. Very fine gravel is objectionable as the resulting concrete has not the strength obtained by larger stones held together with a strong mortar. Where gravel contains a large percentage of fine stuff, it is usually desirable to screen it. If the fine material removed is clean and equal to a good building sand, it may be used to form the mortar, and can then be uniformly intermixed with the coarser material. A further objection to the use of gravel without this precaution, is that the finer sand is seldom uniformly mixed, but lies in seams and pockets, and the resulting concrete is of very uncertain composition.

Timber forms supporting the concrete should be strongly bound together, with plenty of wire. A great deal of inferior work results from neglect to use properly braced and tied form work. This applies especially to the floor supports. In bracing the form work, which is to support the slab covering, it should be an inch or so higher in the centre than at the sides, to allow for settlement.

When work has been interrupted, and is again commenced, see that the old surface is thoroughly flushed with water before new concrete is deposited. The joint should be commenced with a cement grout of one-to-one mortar over the old work; or it is a successful practice when the old surface is wet, to sift over it a light coating of Portland cement. All concrete should be deposited in the forms and worked to place as quickly as possible after being mixed. As a rule, thirty minutes is the greatest period that should elapse. Any setting that has taken place and is broken in the further manipulation of the concrete, is destroyed and is finally lost to the work. For this reason, good concrete that has been put in place should not be disturbed until it has thoroughly hardened and set. All concrete, when it has been put in place, should be quickly rammed and worked in layers, so as to make the concrete perfectly compact and free from spaces and air bubbles.

As soon as the concrete slab of coarse stuff has been put in place, it should be coated over with cement mortar, made in the proportion of one part of cement to one part of sand. This should be higher at the centre than at the ends of the culvert, in order that drainage may be perfect. Concrete is porous, and unless coated with a waterproof covering, is certain to be greatly injured by moisture dripping through it.

In order that concrete will not adhere to the forms, they should be coated with oil before the concrete is put in place. A combination of crude oil and kerosene applied with a brush gives good results, but an excess should not be used. For all exposed faces of the concrete, dressed lumber should be used, and it should be cleaned and recoated with oil at each setting.

Every care should be taken to see that the inside of the forms is free from shavings, sawdust, blocks of wood, or other debris, before putting in the concrete. A warning of this kind would seem almost superfluous, but there is evidence of no more common neglect than this. Time and again, in important work, the writer has found blocks of wood projecting from the concrete. Spacing pieces also should be removed. Neglect to do so is merely evidence that the workmen are anxious to get rid of their job in the easiest possible way, regardless of consequences.

There is a common impression that any kind of iron will do for concrete reinforcement, but this is an error. The steel is used to give tensile strength where tension of the concrete is likely to occur. Concrete is strong in compression, but is weak in tension. Wherever it is the tendency of loads passing over a culvert to bend a slab, tension takes place on one half, and compression on the other. The

steel should be placed so as to equalize the compressive and tensile strength of the concrete. In the case of small flat culverts, steel rods with ends bent at each end may be placed in the cover (or floor) 1½ inches from the exposed faces, both bottom and top. A coating of concrete 1½ inches in thickness will effectually protect the steel from rust. The steel used should be free from oil or grease. A thin layer of rust is not objectionable, but loose or scaly rust should be removed with a stiff wire brush. The concrete should be well consolidated and placed in close contact with the steel.

There is a tendency to make the driveway on short-span bridges too narrow. A driveway 16 or 18 feet wide may be sufficient for long steel or other bridges, which are in plain view at all times; but for smaller waterways, the sides of which are not prominent on the highway, the width should be such as to minimize the tendency to drive over, or strike the hand rail, and a width of 20 feet is preferable. Where tile culverts are used, it is the practice in some municipalities to carry them the entire width of the highway. In this way, an absolutely safe cross-

Concrete Arch on the Middlesex County Road System. Built in 1909 at St. John's. Span, 75 feet clear; roadway, 16 feet wide. Cost $4,118.

ing is provided. Hand rails on all culverts are important. They add to the safety of a bridge; and much attention should be given to their appearance, as this is the only part of the work to be seen by the travelling public. Strongly-built railings of good appearance give a feeling of safety and security in passing over the bridges, and with little, if any, added expense, they may be made a matter of ornament to the highway.

A discussion of bridge-building, using concrete and steel, with a view to enabling the average councillor or pathmaster to draw up plans and specifications for all bridges, must, of necessity, be a misdirected effort. Bridge-building is strictly within the sphere of the civil engineer, and efforts to discount this fact are foredoomed to ultimate failure. The skillful and experienced farmer looks with amusement upon attempts at farming made by inexperienced men who take up farming after a life spent in professional work. The newly-arrived "remittance man" often gives an example of such farming. When will councillors realize that their own well-meant attempts to build steel and concrete bridges without trained advice are equally enjoyable to the man who thoroughly understands bridge design?

A common practice is for councils to advertise for tenders, upon which steel-bridge companies submit alleged strain sheets, specifications and prices. Having little or no other experience and training to guide them, the work is awarded according to price. The lowest tenderer receives the contract. Price is apt to be the sole basis upon which judgment is formed. For a difference of $5 in price, a bridge may be rejected in favour of one having $1,000 less value. A premium is thus put upon inferior work. Having awarded the contract, councillors, without engineering training, are unable to determine to what extent even the plans and specifications submitted with the tender have been followed.

When a bridge is required in a municipality, the proper procedure is to at once employ a civil engineer experienced in bridge construction. He should prepare plans for the substructure, including abutments and piers. He should himself prepare complete plans and specifications for the steel superstructure; or, without preparing plans, he may submit such specifications in calling for tenders that all bridge companies will compete on a uniform basis. By the latter course, each company is free to submit its own design, which must, however, be prepared under a fixed specification as regards strength. Having received tenders for the work, the engineer is in a position to decide upon the most favourable tender. He will further scrutinize details of connections, etc., and will see that the bridge is erected in accordance with the specifications. The services of a capable engineer will commonly double the life of a bridge, as compared with a contract that is let without proper supervision. In the preparing of plans for abutments and piers, he can frequently save sufficient material to pay for his services. Bridge construction is a work requiring mathematical training, as well as practical judgment and experience, and to this end it is most desirable that the public be thoroughly conversant with the fact that councillors should not be expected to erect steel and concrete bridges without the services of a trained and experienced man to guide them.

The strength of bridges is a matter for considerable readjustment in Canada. The common practice is to build them just strong enough. Having future requirements in view, with materials that may last almost forever, it is only good judgment to build our bridges stronger than strong enough. Methods of traffic and transportation are changing. Motor traffic has been applied to rural transportation, and it is the belief of many that it will in the near future be adopted in Canada. This will mean on our country roads largely increased loads. The weight of rural traffic, through traction engines, is steadily demanding stronger bridges, and what the future may produce it is impossible to foresee. With increasing population and improved means of traffic, bridges should be built capable of carrying very much heavier loads.

TOWNSHIP ROAD EXPENDITURE.

The following schedule shows the cash expenditure in townships for the period of twenty years, 1889 to 1908 inclusive, and the statute labor for the year 1908. This does not include the expenditure by councils of counties, towns, villages and cities. The statistics are compiled from reports of township clerks and treasurers to the Bureau of Industries and the Engineer of Highways.

ALGOMA.

Name of Township.	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908	Total 20 years.	Statute Labour, 1908
	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	Days.
Balfour		49	105	104	199	386	355	338	157	250	181	245	258	408	480	457	670	431	761	1,013	7,246	896
Drury, Denison and Graham						24	69	161	341	604	190	299	117	468	829	1,951	1,711	1,915	1,469	1,897	12,229	.....
Hallam					64	200	219	312	242	263	154	367	274	693	1,107	325	186	85	243	269	4,273	219
Hilton	28	96	24	48	122	195	72	120	185	92	375	376	184	334	479	225	300	572	101	1,076	5,861	700
Jocelyn	45	76	149	5	7	229	110	88	132	212	313	491	204	438	136	277	125	258	239	141	3,382	711
Johnston, etc		23	125	67	41	621	257	204	169	117	388	252	367	558	640	669	497	1,408	611	811	8,126	1,317
Laird				104	41	194	147	125	151	47	166	99	385	340	342	268	222	494	222	216	3,745	666
Macdonald, etc				9	115	275	131	220	267	219	282	221	120	410	382	575	671	744	475	550	5,347	1,000
Nairn and Lorne								9	18		2		3		8	638	90		112	323	1,295	399
Plummer, etc				143	110	120	362	163	299	254	90	222	1,119	1,870	502	685	536	798	701	3,181	11,115	.....
Prince									3	5	118	23	100	119	177	196	81	120	178	12	1,160	378
Rayside			118	117	81	37	71	91	141	369	120	502	135	245	286	1,235	800	730	511	2,988	7,879	675
St. Joseph's	115	209	374	225	265	335	822	734	704	326	614	197	775	1,266	930	1,212	1,212	551	866	1,558	13,891	1,120
Salter, etc						25	142	398	567	294	167	207	287	537	680	244	156	226	545		4,447	.....
Sault Ste. Marie	762	2,078	1,469	1,376	1,012	1,187	1,084	2,127	2,289	1,875	2,650	3,162	6,552	8,098	8,745	723	3,451	.....	.....	.....	48,519	.....
Thessalon	33	340	1,002	192	101	186	282	358	199	256	332	405	715	500	352	6,358	524	551	443	368	14,038	850
Blind River													110	745	2,241	2,545	1,519	none	.....	.....	7,463	.....
Day and Bright (additional)																18	1,965	94	2	15	2,094	431
Korah																196	800	1,875	764	1,025	4,660	1,919
Thompson																		25	93	.....	118	.....
Tarentorus																		2,404	2,899	2,634	7,937	1,707
Waters																		227	174	582	919	274
Chapleau																		656	891	none	656	.....
Totals																					$178,824	13,221

BRANT.

Brantford	4,151	4,233	2,704	2,252	2,920	5,760	1,684	2 041	2,319	7,060	5,189	4,183	7,039	4,002	6,289	7,475	11,931	5,182	8,861	11,435	106,707	7,069
Burford	2,076	2,277	4,408	2,835	3,412	3,428	1,949	2 697	2,881	9,401	6,436	5,530	4,167	5,284	5,201	4,428	7,127	7,237	8,565	5,489	94,833	5,161
Dumfries, South	1,713	2,787	2,187	1,595	2,439	1,740	1,696	2840	2,060	1,792	2,786	1,842	3,099	3,592	4,290	5,639	5,650	6,505	4,958	3,611	61,801	2,730
Oakland	324	290	102	112	171	227	64	167	180	275	142	165	153	737	611	220	155	786	411	1,090	6,715	1,246
Onondaga	753	462	826	1,022	1,405	3,775	703	1 320	704	1,113	791	1,311	683	3,365	763	561	954	2,335	3,786	680	27,318	1,348
Totals																					$297,374	$17,534

TOWNSHIP ROAD EXPENDITURE.—Continued.

BRUCE.

Name of Township.	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908	Total 20 years.	Statute Labour, 1908
	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	Days.
Albemarle	842	797	625	547	695	774	760	569	687	197	732	792	1,075	1,042	1,191	1,113	1,376	1,078	1,323	1,198	17,603	1,709
Amabel	1,872	1,550	725	2,228	1,249	1,561	1,064	1,589	1,000	1,148	2,084	1,646	1,229	702	1,635	1,299	1,345	2,298	1,828	2,834	31,102	2,429
Arran	2,361	1,261	2,314	1,950	2,915	1,585	1,974	395	1,221	1,795	1,693	1,248	1,186	1,121	1,932	3,078	3,011	1,866	1,733	2,150	30,394	2,579
Brant	6,055	1,679	2,709	3,931	2,465	5,396	1,926	3,238	1,830	2,020	2,514	8,344	5,555	4,626	2,084	7,072	5,698	5,084	4,895	3,507	80,548	2,497
Bruce	1,968	2,083	2,773	2,575	2,861	2,884	2,365	1,956	2,135	2,179	1,949	3,886	4,304	3,780	4,796	2,336	2,549	1,440	3,084	2,780	50,782	3,399
Carrick	2,408	6,290	1,527	1,998	2,200	1,051	1,356	1,021	1,661	1,150	816	1,459	1,656	1,219	1,428	1,608	1,550	2,927	2,674	1,732	36,893	3,870
Culross	322	763	2,904	992	1,432	1,688	1,566	1,352	1,431	1,542	2,669	1,329	1,156	2,223	1,589	1,866	1,866	1,929	2,521	2,179	32,298	3,018
Eastnor	961	692	781	489	967	857	725	729	840	301	590	998	1,212	854	900	2,474	891	2,347	1,660	585	19,955	2,668
Elderslie	2,029	2,014	2,595	2,058	2,420	2,929	1,683	2,489	1,040	1,338	2,008	2,443	2,441	2,681	2,421	3,236	2,797	2,884	2,919	4,029	48,154	3,570
Greenock	1,835	1,659	2,902	2,210	2,633	2,026	1,378	1,647	1,485	2,484	2,103	2,854	3,792	3,583	2,002	3,648	6,998	9,060	8,598	2,845	65,492	3,392
Huron	3,912	2,995	5,513	3,204	4,347	4,636	3,370	3,590	3,098	2,585	3,294	5,499	5,345	4,476	1,006	2,336	2,549	6,017	4,198	3,243	78,211	3,510
Kincardine	2,818	2,872	2,840	3,324	3,506	2,565	2,066	1,591	1,838	1,360	1,927	2,942	2,894	2,494	2,201	3,595	2,926	3,963	3,320	4,103	55,244	3,921
Kinloss	1,024	1,495	1,659	1,514	2,076	1,178	1,068	1,149	1,159	1,356	1,112	1,768	1,893	1,513	2,249	2,341	1,905	1,863	2,758	2,358	32,998	3,004
Lindsay and St. Edmonds	315	2,450	399	342	579	497	249	687	1,012	363	959	960	607	436	762	800	1,000	1,462	1,708	1,824	17,271	1,607
Saugeen	1,022	819	1,955	1,828	2,646	1,161	943	663	1,241	806	802	1,576	779	604	2,192	3,186	610	3,135	2,488	2,312	30,878	1,850
Totals																					$646,984	42,563

CARLETON.

Fitzroy	1,066	965	985	1,472	1,804	1,543	1,337	1,840	2,575	2,059	2,273	2,176	1,757	1,729	2,915	2,000	2,200	2,905	3,153	5,115	41,869	1,985
Gloucester	1,053	1,099	1,143	1,439	1,911	2,053	1,199	2,435	2,348	1,869	2,198	3,568	8,029	6,214	5,510	2,830	3,232	8,539	2,700	3,535	62,864	9,000
Goulbourne	493	917	679	701	753	1,191	1,453	1,148	1,171	1,187	1,154	1,515	2,705	3,890	3,638	889	1,045	3,040	1,295	1,537	30,402	2,893
North Gower	824	423	760	747	1,002	1,194	1,175	1,013	649	798	907	982	1,385	703	2,481	241	536	294	689	573	17,876	1,667
Huntley	708	955	1,500	804	746	1,307	1,427	662	688	615	1,289	1,345	4,375	1,736	1,779	2,861	2,300	3,632	2,654	1,992	33,365	2,240
March	191	372	253	192	284	366	380	162	372	393	504	408	273	492	382	1,112	1,077	1,092	996	1,005	10,396	.....
Marlborough	268	307	373	475	568	147	312	354	572	918	582	373	271	660	825	400	500	758	596	931	10,190	1,737
Nepean	1,979	2,463	1,980	1,848	2,356	1,939	1,375	2,104	2,432	1,415	2,799	2,171	2,100	14,623	1,841	5,091	9,857	10,658	7,683	9,493	85,507	3,690
Osgoode	1,053	1,632	1,268	1,449	1,437	2,011	1,747	1,837	2,436	2,848	2,070	3,378	3,636	4,313	3,084	3,458	4,421	6,591	2,540	6,629	69,088	3,170
Torbolton	267	228	192	235	213	245	255	586	499	102	297	316	296	333	743	955	703	960	909	.....	8,324	.....
Totals																					$369,831	36,832

TOWNSHIP ROAD EXPENDITURE.—Continued.

DUFFERIN.

Name of Township.	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908	Total 20 years.	Statute Labour 1908.
	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	Days.
Amaranth	1,9781	1,449	1,677	1,489	1,113	1,296	1,545	1,059	1,167	1,636	2,172	1,463	1,838	1,644	2,275	2,500	1,925	2,016	2,600	3,500	37,242	3,100
Garafraxa, East	881	1,722	1,519	1,303	733	1,518	2,148	1,365	1,438	1,901	6,627	2,849	1,769	1,917	1,968	1,636	1,865	1,821	1,500	1,320	37,190	1,630
Luther, East	1,759	1,288	1,051	2,501	1,525	1,617	1,247	1,805	1,609	1,194	1,219	878	1,208	1,997	2,668	1,665	1,442	2,802	951	1,402	31,828	1,600
Melancthon	1,413	1,591	1,440	1,781	2,170	2,069	1,864	1,684	1,193	1,492	1,882	1,607	2,513	2,647	2,633	2,526	2,439	2,898	3,169	3,062	42,058	3,585
Mono	1,331	3,466	2,890	2,563	2,730	2,400	2,361	1,713	1,964	2,727	2,711	1,671	1,971	2,204	2,502	1,900	3,814	4,085	3,841	4,539	53,356	3,354
Mulmur	650	1,146	1,542	1,521	1,951	1,330	1,579	1,157	1,032	1,319	1,579	1,629	1,590	1,851	2,946	2,340	2,671	3,941	3,383	3,529	38,511	2,869
Totals	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	$240,245	16,436

DUNDAS, STORMONT AND GLENGARRY.

Matilda	4,149	3,876	1,252	1,470	2,577	1,840	1,452	1,513	1,309	1,446	1,923	2,055	2,097	2,487	4,384	4,403	3,261	3,106	3,200	3,535	51,277	6,039
Mountain	1,627	1,967	1,477	993	1,688	1,328	1,428	1,307	1,357	1,041	1,729	3,341	6,709	7,058	5,842	5,098	5,099	1,845	1,725	7,214	67,573	3,350
Williamsburg	1,353	1,309	973	1,512	1,056	1,676	999	1,370	1,076	1,065	4,075	4,207	2,580	3,385	3,316	3,789	4,731	1,945	4,166	.....	47,582	.....
Winchester	4,347	2,636	983	1,572	2,471	2,262	2,736	3,397	2,629	2,918	3,750	4,027	2,985	1,321	3,250	5,823	8,868	5,791	4,980	5,770	74,456	5,810
Cornwall	3,470	3,132	2,210	2,204	1,986	2,329	2,288	1,851	2,357	3,018	2,220	2,870	5,980	4,474	2,078	2,924	3,330	6,274	6,830	10,0009	71,615	5,630
Finch	3,689	8,438	2,653	2,676	2,943	3,099	2,681	2,847	1,547	1,103	1,678	2,948	4,346	4,459	4,572	5,458	11,668	6,841	5,429	4,514	39,595	6,473
Osnabruck	4,970	4,822	1,586	1,467	1,225	1,479	1,536	1,575	662	1,078	3,261	2,789	2,352	3,809	3,039	1,100	1,900	5,615	1,069	3,226	42,700	1,980
Roxborough	1,240	2,467	2,385	1,468	1,371	1,379	1,437	1,445	1,583	1,391	1,980	2,059	2,425	2,295	1,789	1,600	1,200	3,568	2,477	1,907	37,528	1,640
Charlottenburg	2,188	2,518	2,572	7,220	7,865	2,399	2,126	1,532	895	2,614	3,194	1,916	4,064	4,763	5,280	5,570	11,929	7,010	4,875	4,745	84,355	5,200
Kenyon	1,553	1,964	1,910	982	2,925	1,600	992	1,325	1,414	1,866	1,936	1,929	2,719	1,326	2,811	3,000	4,000	6,757	7,328	4,585	48,522	6,149
Lancaster	818	1,446	1,516	1,376	1,180	1,535	936	2,022	848	1,541	1,274	1,753	2,856	1,761	1,350	2,032	1,261	3,755	5,010	2,731	40,414	3,828
Lochiel	709	1,302	1,187	1,771	1,215	1,698	819	1,142	1,607	1,515	1,696	1,177	1,888	1,320	1,271	1,149	1,320	2,459	500	600	26,295	4,487
Totals	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	$631,912	50,805

ELGIN

Aldborough	5,389	3,729	3,248	4,717	4,065	4,760	4,057	3,745	4,156	4,211	5,568	5,256	4,022	7,731	7,505	2,800	3,000	12,312	8,109	.....	98,250	.....
Bayham	3,578	3,234	3,201	3,073	3,042	6,719	2,702	3,953	2,897	4,152	3,551	4,051	3,885	3,613	6,521	6,564	6,007	5,107	4,790	3,586	86,616	3,626
Dorchester, South	2,570	1,708	2,845	3,410	3,117	1,151	1,894	1,281	2,365	2,038	2,307	4,860	2,668	2,977	3,983	5,296	4,301	5,079	6,076	4,248	69,101	2,585
Dunwich	5,306	5,443	3,979	5,825	3,792	5,231	4,378	5,700	6,956	5,123	4,766	6,024	5,180	5,563	5,715	6,648	6,766	7,179	7,995	8,350	115,290	3,914
Malahide	2,879	3,125	2,524	1,019	6,462	4,706	3,123	1,260	4,054	3,266	7,749	7,297	6,088	5,300	6,952	9,115	5,658	3,495	7,512	12,240	110,262	5,054
Southwold	2,785	1,556	5,059	6,110	5,837	5,495	5,745	5,941	5,928	4,975	5,480	6,988	6,866	5,520	5,456	6,570	7,233	6,649	9,518	8,553	118,334	5,122
Yarmouth	5,740	6,591	6,115	7,597	6,691	8,922	6,200	7,971	7,098	5,889	9,531	12,369	7,548	7,464	8,747	10,150	10,782	15,363	9,630	15,272	182,509	5,069
Totals	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	$774,952	25,370

TOWNSHIP ROAD EXPENDITURE.—Continued.

ESSEX.

Name of township.	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908	Total 20 Years.	Statute Labour, 1908
	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	Days.
Anderdon	1,374	1,226	1,848	3,527	2,048	1,931	651	2,187	2,285	2,549	2,228	1,736	1,049	1,156	2,626	1,172	1,555	1,401	3,501	1,265	37,331	2,140
Colchester, North	2,281	2,674	2,438	1,551	1,695	1,345	354	1,913	1,148	2,888	2,288	2,064	1,643	1,864	2,963	2,681	3,176	1,449	1,148	1,577	38,933	2,671
Colchester, South	3,645	4,457	1,940	1,532	2,030	2,628	2,220	1,249	1,665	2,256	1,498	2,572	1,678	2,751	4,247	1,685	3,711	2,854	1,988	2,109	51,043	4,372
Gosfield North	575	981	847	639	625	1,251	661	683	148	1,210	987	716	1,707	2,895	1,905	1,094	1,117	1,011	3,784	2,322	25,503	2,361
Gosfield, South	1,119	2,011	1,862	2,122	1,804	1,492	1,098	1,542	2,388	1,371	2,184	1,664	2,466	2,983	3,511	1,450	3,747	2,630	6,008	3,709	49,982	....
Mandstone	1,125	1,377	1,885	1,676	1,700	3,599	2,223	2,100	2,559	2,065	2,104	3,108	2,260	2,958	4,754	2,766	2,868	2,896	1,979	6,602	52,082	2,586
Malden	2,479	2,802	2,204	2,839	3,434	2,722	1,688	1,481	1,902	2,564	2,122	2,134	2,692	1,394	4,101	3,283	2,975	3,495	2,007	1,947	49,697	....
Mersea	2,659	3,226	1,955	1,786	3,317	2,959	1,898	2,786	2,256	2,555	1,598	3,588	3,098	4,927	4,500	1,294	1,424	3,059	4,550	5,803	67,838	4,417
Pelee Island	230	3	319	239	150	433	306	384	246	464	944	931	1,018	1,452	1,459	1,887	887	894	872	385	13,520	1,175
Rochester	785	3,347	1,095	1,963	2,485	1,280	1,023	936	1,604	1,754	1,027	1,161	1,172	1,348	2,802	2,373	909	1,945	1,840	1,934	33,367	1,709
Sandwich, East	1,758	2,921	1,884	2,345	1,460	943	479	1,729	698	1,846	2,267	1,354	1,427	1,281	1,507	1,695	1,922	2,496	2,897	3,229	45,874	2,889
Sandwich, South					813	1,546	931	1,797	1,651	1,970	886	1,485	1,049	1,234	1,957	2,490	1,829	1,171	3,800	1,509	24,612	2,037
Sandwich, West	3,901	1,279	2,812	1,879	2,184	1,501	1,857	1,709	1,973	2,332	2,452	3,184	2,295	1,993	2,672	2,248	2,344	6,075	3,265	4,129	51 024	2,198
Tilbury, North	1167	1,755	1,482	761	2,195	1,780	499	2,311	323	3,075	1,899	888	715	1,118	833	2,172	931	1,186	1,557	1,754	24,632	1,469
Tilbury, West				211	1,041	2,106	1,585	1,111	1,879	1,073	1,037	1,203	1,598	1,429	3,251	3,925	2,067	5,836	1,169	312	36,468	1,969
Totals																					$594 906	32,180

FRONTENAC.

Barrie	37	34	18	96	29	34	17	64	20	42	10	26	56	154	76	66	45	114	27	58	1,010	504
Bedford	438	287	408	371	1,294	574	537	331	293	941	646	503	802	462	996	212	451	541	378	412	10,936	1,042
Clarendon, etc	37	35	4	44	57	55	85	66	14	132	70	96	65	139	87	201	75	123	100	100	1,656	798
Hinchinbrooke	390	344	507	515	308	441	412	580	613	870	712	972	722	139	727	936	668	871	969	1,201	14,597	1,227
Howe Island	174	100	48	10	12	61	18	17	21	6	79	59	162	26	114	111	40	502	198	262	2,017	400
Kennebec	470	324	173	174	323	630	175	301	194	499	365	250	165	178	362	300	300	206	300	300	5,979	901
Kingston	914	1,099	791	899	658	1,134	911	1,018	804	1,025	683	1,319	1,501	1,677	1,296	1,480	1,682	2,071	3,243	3,127	26,394	3,199
Loughborough	640	650	601	711	908	886	886	726	742	562	615	781	1,240	667	1,175	1,018	1,250	949	2,602	2,086	19,677	1,975
Olden	387	318	268	419	371	394	200	452	340	324	370	220	208	156	467	500	600	312	615	471	7,661	930
Oso	292	202	118	123	277	373	197	270	195	270	467	179	183	192	252	195	198	396	106	248	4,734	780
Palmerston, etc	252	174	246	119	186	43	58	65	214	158	283	189	150	222	147	214	107	206	60	115	3,248	673
Pittsburg	1,801	2,003	2,025	1,468	1,692	2,103	1,545	1,390	1,472	1,414	1,639	3,376	2,374	3,714	3,976	2,538	2,983	5,302	3,391	4,335	50,539	2,554
Portland	1,716	1,129	975	1 431	1,485	1,095	800	971	755	867	1,088	942	1,356	1,219	1,631	1,924	1,600	2,616	2,978	3,345	21,923	3,760
Storrington	166	300	273	359	448	457	127	455	450	371	580	487	376	419	549	332	884	976	2,000	2,500	7,660	1,780
Wolfe Island	159	502	50	419	412	247	461	79	262	220	610	360	757	1,206	1,414	1,414	805	922	933	....	11,242	....
Totals																					$197,933	20,5920

TOWNSHIP ROAD EXPENDITURE.—Continued

GREY.

Name of Township.	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908	Total 20 years.	Statute Labour 1908
	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	Days.
Artemesia	539	1,995	3,067	2,267	2,627	2,387	3,544	2,162	2,471	2,483	2,365	3,083	3,010	2,184	3,807	2,256	3,201	2,628	6,586	3,702	55,454	3,200
Bentinck	1,310	1,693	2,673	2,016	1,891	2,806	1,781	1,376	1,657	2,325	2,776	2,957	2,687	1,993	2,491	2,683	4,042	1,880	3,850	4,940	49,827	.....
Collingwood	2,978	3,055	4,127	2,610	4,157	4,155	2,529	2,250	3,583	3,376	3,284	3,245	2,723	3,514	3,589	3,491	2,652	3,890	4,032	3,406	61,876	4,200
Derby	1,567	1,863	1,850	1,305	2,427	1,963	1,890	1,662	1,655	1,742	1,951	2,412	1,510	2,386	3,206	3,620	3,912	4,876	4,098	4,581	50,532	.....
Egremont	453	411	449	587	593	1,567	1,459	450	1,204	825	1,922	476	1,998	2,585	3,952	2,156	2,964	4,057	2,558	2,980	33,703	4,000
Euphrasia	718	1,054	1,385	1,916	1,513	2,597	1,651	1,156	1,038	1,547	1,277	2,165	2,341	1,560	2,131	2,149	3,410	2,542	2,427	.....	33,580	.....
Glenelg	1,033	2,017	1,089	1,514	1,662	1,644	1,436	449	1,104	1,242	1,844	2,439	2,028	2,073	2,132	1,547	2,743	2,416	1,519	1,462	33,609	2,886
Holland	1,213	1,172	1,212	1,172	1,244	1,248	741	133	892	898	871	859	962	879	1,286	1,906	1,998	1,812	2,022	2,054	24,504	3,555
Keppel	1,718	1,650	1,624	1,468	2,192	3,415	1,696	1,077	951	1,798	1,779	2,873	3,029	2,871	3,404	3,338	3,900	3,317	2,207	2,512	46,870	3,811
Normanby	1,027	2,373	3,580	4,514	3,448	2,008	1,397	3,501	2,269	3,745	2,833	2,220	3,467	2,771	4,037	3,063	2,756	3,810	3,467	4,088	64,223	.....
Osprey	798	738	864	957	1,195	1,457	909	1,122	876	950	1,375	1,337	1,289	1,019	1,429	2,000	3,500	2,119	2,566	3,589	29,007	2,674
Proton	1,684	1,856	2,181	1,374	1,951	4,358	1,615	1,457	1,272	1,484	1,561	1,958	1,619	2,393	2,734	2,724	3,243	3,732	2,758	.....	39,774	.....
St. Vincent	2,302	1,523	1,817	2,246	1,805	1,715	1,497	1,667	2,028	1,527	1,884	2,542	3,169	5,467	4,731	5,015	3,973	6,917	8,376	4,358	62,659	.....
Sarawak	707	632	480	532	1,396	937	976	1,004	1,327	1,010	1,045	867	834	989	3,058	392	296	1,150	1,357	.....	18,812	.....
Sullivan	1,599	1,071	1,545	1,457	1,970	1,485	1,230	1,296	1,096	1,950	1,716	1,325	1,972	2,471	2,278	2,198	2,315	2,804	2,922	2,359	35,224	3,1014
Sydenham	1,950	1,802	2,398	2,267	2,962	2,025	2,818	2,672	2,386	2,467	3,287	4,014	5,189	3,144	4,061	1,986	1,887	8,558	6,057	7,206	76,162	4,800
Totals	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	$721,886	32,256

HALDIMAND.

	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	Days.
Canboro'	270	1,077	334	584	1,032	219	701	387	150	446	324	355	260	547	1,922	541	444	655	683	1,504	12,456	1,275
Cayuga, North	1,140	465	951	652	984	888	657	546	414	1,041	280	695	281	248	754	702	554	2,494	714	1,022	15,134	2,000
Cayuga, South	59	32	92	35	82	101	208	87	145	68	106	37	113	86	66	94	146	210	341	413	2,577	675
Dunn	287	166	174	451	194	264	263	221	122	149	156	220	166	159	374	137	125	165	176	240	4,224	1,900
Moulton	615	701	508	537	392	771	597	504	496	458	538	368	444	251	1,162	557	478	829	819	563	11,556	2,233
Oneida	1,261	1,020	884	807	626	706	1,302	2,858	2,047	2,729	881	2,458	601	126	467	489	488	1,237	1,175	1,411	23,882	1,878
Rainham	924	134	204	988	578	274	554	245	116	218	716	1,951	615	360	940	1,090	741	896	865	724	13,393	1,760
Seneca	643	1,369	718	584	988	924	1,052	966	1,142	657	1,342	1,142	1,200	1,160	1,251	1,122	2,748	1,079	2,606	2,472	24,021	1,740
Sherbrooke	99	68	88	20	27	66	18	39	209	23	93	114	79	29	6	25	59	70	182	110	1,345	406
Walpole	2,701	2,058	1,992	2,540	1,478	2,804	1,678	1,586	2,299	3,501	4,395	3,356	2,400	2,727	4,299	7,399	3,486	5,775	6,394	6,220	69,048	4,437
Totals	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	$177,636	18,373

TOWNSHIP ROAD EXPENDITURE.—Continued.

HALIBURTON.

Name of Township.	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908	Total 20 years	Statute Labour, 1908
	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	Days.
Anson and Hindon	147	185	16	88	107	84	40	128	138	99	127	107	103	84	57	44	42	54	90	41	1,705	225
Cardiff	152	193	147	99	57	188	80	24	29	89	187	64	98	102	170	268	97	698	68	116	3,026	448
Dysart, etc	574	700	1,068	738	1,831	782	689	1,036	701	1,045	855	1,635	1,254	1,407	1,224	1,703	1,343	1,928	2,379	1,200	26,252	.....
Glamorgan	209	170	107	41	132	63	42	135	89	53	182	87	141	114	132	108	199	133	96	.....	2,245	.....
Lutterworth	121	94	98	141	283	108	111	108	134	151	217	126	214	98	204	228	119	136	115	43	3,345	447
Minden	139	174	208	353	592	208	564	537	477	484	209	379	537	382	547	850	537	464	700	760	9,172	700
Monmouth	33	102	48	36	38	61	8	66	73	62	36	8	119	60	70	48	21	102	70	43	1,104	512
Sherborne, McClintock, Livingston, &c.	.....	.....	.....	.....	.....	.....	.....	.....	.....	118	783	564	718	106	24	205	200	339	282	545	3,874	356
Snowdon	207	175	180	419	486	179	523	288	263	197	237	166	196	189	469	288	226	197	229	250	5,373	478
Stanhope, etc	156	81	91	90	126	50	127	266	264	116	102	142	84	246	263	393	74	229	430	98	3,368	360
Totals	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	$59,632	3,426

HALTON.

Esquesing	2,273	2,016	2,340	2,365	1,571	2,628	1,160	1,512	2,387	1,600	5,401	5,408	2,773	4,126	2,284	5,145	4,302	4,565	9,240	3,039	66,135	.....
Nassagaweya	970	1,187	1,302	1,067	1,681	1,963	1,509	1,814	2,089	1,661	2,136	2,178	2,085	1,848	2,007	2,198	2,102	1,954	2,598	2,003	36,112	2,426
Nelson	1,158	1,478	1,945	1,328	1,175	1,823	1,200	1,607	2,529	1,638	1,980	3,286	3,636	2,988	3,477	3,358	1,054	6,758	6,021	3,317	54,653	3,756
Trafalgar	5,241	3,814	3,907	2,170	5,382	6,803	4,508	1,896	5,493	6,008	6,155	4,198	5,991	3,633	7,691	5,063	6,292	3,742	10,050	9,687	106,602	3,561
Totals	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	$263,502	9,743

HASTINGS.

Bangor, etc	437	204	255	248	269	178	274	177	171	344	237	286	294	291	279	349	344	322	621	586	6,126	609
Carlow (and Mayo)	165	224	138	143	233	604	223	332	224	231	241	289	421	553	567	481	873	725	300	500	7,467	520
Dungannon (and Faraday)	539	490	278	220	239	217	240	207	230	205	241	256	182	299	60	160	343	1,001	.....	.....	5,534	.....
Elzevir, etc	198	253	278	245	829	651	333	308	485	317	685	689	523	476	496	454	450	544	381	.....	8,375	.....
Faraday	.....	.....	324	301	346	374	365	221	235	375	369	354	756	1,902	841	743	379	534	250	450	9,119	636
Hungerford	1,578	1,491	1,315	1,889	1,220	1,209	705	793	1,237	1,378	1,586	1,009	1,495	808	1,071	746	931	649	600	2,100	24,080	1,500
Huntingdon	.....	.....	221	207	243	257	325	284	263	336	274	296	988	201	350	235	374	258	457	344	5,194	2,146
Lanark	425	299	761	804	583	742	690	237	446	226	224	353	291	406	589	111	168	465	539	635	9,194	403
Madoc	462	509	532	523	808	651	493	592	493	627	486	378	615	350	753	960	450	346	700	700	11,428	1,950
Marmora and Lake	609	455	865	997	1,406	849	448	603	693	683	750	1,122	725	957	716	706	549	395	631	591	14,810	1,217
Mayo	.....	.....	146	165	258	213	220	231	247	248	288	279	270	248	308	295	261	248	268	311	4,494	351
Monteagle and Herschel	456	670	462	950	650	120	409	298	350	358	507	261	324	365	375	603	409	356	372	510	8,825	479
Rawdon	604	414	849	758	709	586	535	320	471	613	626	785	773	879	1,101	1,041	840	1,313	965	840	14,912	3,486
Sidney	911	856	970	196	575	425	504	1,126	743	932	997	2,314	2,149	2,857	3,566	3,475	3,153	3,481	3,421	4,159	56,987	1,945
Thurlow	911	665	638	773	588	973	1,263	1,464	1,495	1,602	1,613	1,451	1,862	1,695	1,531	1,443	1,092	1,722	1,423	1,051	25,283	4,852
Tudor and Cashel	314	475	366	416	528	497	478	460	422	393	567	581	660	753	674	768	667	541	1,272	1,438	12,269	842
Tyendinaga	1,175	2,229	1,125	1,074	1,180	1,203	1,131	1,046	1,078	1,353	1,199	878	1,129	1,260	1,222	709	965	1,443	1,647	716	21,978	4,524
Wollaston	398	303	260	428	330	332	468	410	352	454	580	451	473	372	335	763	595	493	626	476	8,917	775
Totals	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	$237,000	30,496

TOWNSHIP ROAD EXPENDITURE.—Continued.

HURON.

Name of Township.	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908	Total 20 years.	Statute Labour, 1908.
	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	Days.
Ashfield	2,537	2,149	2,661	2,888	4,038	4,438	2,485	2,216	2,806	2,742	3,334	3,969	3,256	2,080	3,579	1,789	3,293	6,278	2,066	2,995	65,580	3,410
Colborne	2,220	1,518	1,811	1,453	1,529	1,687	1,579	1,468	1,576	1,844	1,783	2,025	1,468	1,823	1,725	1,500	1,700	3,090	2,437	2,253	35,912	1,790
Goderich	2,212	2,154	2,772	2,570	3,131	3,198	1,860	1,919	2,491	3,054	2,893	2,418	2,019	2,268	3,867	3,990	2,597	4,024	2,441	2,353	54,341	2,000
Guy	2,579	2,304	2,433	3,188	3,153	2,926	1,846	2,237	1,797	2,661	2,097	2,534	2,367	3,455	2,383	10,930	15,388	11,892	2,426	2,160	78,680	3,980
Hay	2,209	1,586	3,645	3,560	2,846	3,425	2,147	2,051	3,288	2,934	2,650	3,049	2,335	1,716	5,536	2,742	2,747	3,789	3,766	1,982	62,084	5,298
Howick	1,842	1,852	1,834	1,641	2,571	1,488	1,305	1,899	1,581	2,134	2,183	2,566	3,104	1,887	2,954	3,204	6,281	6,479	2,357	2,349	61,504	4,098
Hullett	2,469	2,796	1,870	2,429	1,936	2,642	2,158	3,569	3,296	3,541	3,516	3,397	2,487	2,509	5,276	5,408	6,213	5,296	6,750	2,045	78,257	2,792
McKillop	2,001	1,747	2,106	2,315	2,912	2,298	3,175	2,062	2,356	2,456	4,189	4,286	2,453	5,199	5,222	5,395	3,307	5,566	5,059	3,299	69,865	3,100
Morris	1,780	1,737	2,416	1,952	3,256	2,470	2,845	3,661	2,444	1,518	1,709	1,496	1,503	1,481	1,929	2,053	5,268	2,551	3,898	6,940	51,442	3,181
Stanley	1,439	1,865	1,799	1,783	1,905	2,199	1,536	1,554	2,611	2,239	2,252	2,518	2,006	1,957	3,186	3,348	4,165	5,083	4,410	7,135	55,198	2,080
Stephen	1,301	1,175	3,611	3,794	4,680	3,954	2,513	3,291	4,010	2,898	3,194	2,955	2,951	1,949	1,828	2,333	1,788	5,310	2,892	3,600	68,031	5,387
Tuckersmith	1,564	1,577	1,566	1,735	2,102	2,167	2,133	1,602	2,015	1,887	1,999	1,923	3,922	1,842	4,569	5,629	5,969	6,374	17,133	14,494	84,690	3,408
Turnberry	1,280	1,219	1,329	1,181	577	935	1,125	656	678	589	1,145	1,051	1,244	918	969	1,922	2,486	1,329	1,357	1,123	22,809	2,324
Usborne	2,229	2,055	2,051	2,107	2,510	1,883	1,711	1,553	2,211	2,576	3,175	2,809	2,740	2,033	1,599	1,754	6,108	4,020	4,004	3,917	61,776	3,552
Wawanosh, East	1,298	1,168	1,079	1,036	1,626	1,561	1,885	1,538	947	1,254	1,871	1,071	1,786	1,749	1,430	1,645	1,657	2,456	28,450	2,069
Wawanosh, West	1,854	1,372	1,646	1,886	1,675	1,448	1,206	1,743	1,226	1,469	1,604	1,430	1,579	1,469	2,062	2,256	2,748	1,308	900	900	32,624	1,800
Totals																					$445,240	48,508

KENT.

Camden	1,174	1,585	1,900	1,986	1,751	1,892	1,003	1,312	1,147	7,372	2,179	3,624	1,289	1,435	2,354	2,796	1,533	2,163	155	1,541	49,528	2,947
Chatham	1,639	2,731	3,934	2,436	3,207	2,026	1,415	2,518	4,092	3,924	4,017	3,433	3,036	2,320	15,386	11,319	3,169	6,984	3,585		89,568	
Dover	996	1,713	1,355	1,073	900	726	640	735	949	1,568	905	658	574	918	509	500	1,314	2,965	2,616	25	25,005	4,536
Harwich	3,148	6,311	3,422	3,037	5,816	3,612	3,563	3,458	5,223	4,090	4,471	4,417	3,766	5,546	7,974	7,645	6,254	6,812	7,963	7,963	102,598	3,354
Howard	3,858	4,772	2,966	3,461	3,495	3,168	1,908	2,173	3,277	3,039	2,704	3,126	4,969	2,737	5,477	8,582	7,938	4,367	6,428	6,586	89,628	
Orford	2,748	2,488	1,753	1,944	1,758	2,522	2,676	1,839	2,178	2,239	2,180	2,584	2,187	3,170	3,983	3,610	3,290	2,764	3,282	1,178	53,443	2,644
Raleigh	1,894	3,991	2,281	2,044	2,281	1,997	1,303	1,438	1,924	2,042	2,358	2,185	1,883	2,104	3,571	3,100	2,100	3,161	1,924	3,741	46,305	4,072
Romney	637	1,461	608	115	973	564	1,261	690	1,021	2,120	1,840	1,222	1,709	3,207	2,050	1,200	1,200	2,421	1,680	2,189	27,958	3,932
Tilbury, East	2,495	1,974	2,744	2,596	1,764	2,785	1,716	2,843	3,487	4,370	4,260	2,395	2,472	2,457	4,114	6,086	2,801	14,435	4,191	3,775	73,779	3,804
Zone	500	471	878	1,495	558	603	707	765	664	763	2,305	799	718	917	2,029	2,930	1,845	1,956	1,594	1,523	24,130	1,179
Totals																					$506,722	30,548

LAMBTON.

Name of township.	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908	Total 20 Years.	Statute Labour, 1908.
	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	Days.
Bosanquet	3,077	3,013	3,079	4,097	4,527	2,886	2,991	3,041	2,926	3,099	3,654	2,961	2,697	3,807	3,305	4,021	4,159	3,822	2,417	3,349	66,106	3,141
Brooke	2,150	1,670	4,155	5,485	3,522	4,131	3,360	4,742	5,311	4,753	4,602	4,908	5,902	7,329	10,502	15,524	15,524	13,542	5,727	7,672	129,374	3,661
Dawn	2,101	2,042	2,547	2,476	1,570	2,311	2,353	1,893	2,060	1,721	3,018	2,541	4,189	4,184	5,305	4,060	1,184	1,972	2,522	3,160	55,078	4,720
Enniskillen	6,705	3,403	7,401	6,244	3,351	7,779	5,223	3,721	4,184	2,831	5,007	5,789	6,231	6,071	8,644	6,342	5,760	8,859	9,820	10,260	134,935	5,600
Euphemia	1,066	1,466	1,832	3,721	5,545	5,014	1,177	1,598	1,579	1,629	1,725	1,655	1,661	2,530	2,565	2,010	2,146	2,748	1,929	1,903	45,640	1,904
Moore	5,845	5,494	4,616	3,245	5,511	6,440	3,539	2,749	3,436	4,814	4,553	4,375	5,948	6,204	6,745	4,510	5,902	6,519	4,847	4,962	97,044	5,100
Plympton	2,964	4,000	4,415	3,470	5,078	4,101	4,884	3,670	4,457	3,845	3,691	3,810	3,025	3,574	6,105	5,360	5,043	4,497	5,002	6,681	92,401	3,184
Sarnia	2,555	1,811	2,450	1,930	2,372	3,304	1,370	2,965	2,097	1,534	2,742	1,573	1,977	1,469	2,721	3,119	2,457	3,207	4,000	4,000	55,846	2,400
Somerset	3,846	1,784	2,283	2,462	2,462	2,822	1,741	2,222	1,648	2,264	2,413	1,01	2,360	2,306	4,328	5,216	3,655	4,828	4,970	2,775	61,104	3,695
Warwick	1,980	1,175	5,044	1,836	10,827	5,206	2,850	1,647	1,250	1,246	1,31	1,41	3,529	4,211	3,98	4,298	8,100	5,727	5,600	5,218	95,681	3,848
Totals																					$824,150	37,290

LANARK.

Bathurst	466	504	552	319	685	504	467	485	682	64	72	501	348	480	586	502	500	516	448	477	10,257	2,006
Beckwith	595	756	1,018	858	1,017	1,227	1,586	1,469	1,485	1,01	1,854	1,930	1,913	822	816	460	1,565	1,268	1,406	2,048	24,574	1,650
Burgess, North	150	208	432	123	107	204	91	151	98	76	172	193	152	211		144	307	353	107	86	3,536	406
Dalhousie, etc	179	804	1,047	928	871	783	829	800	587	77	594	832	843	432	2,476	648	798	754	816	1,474	17,674	1,585
Darling	171	163	93	124	84	91	70	190	355	65	68	178	150	42	183	247	149	300	127	109	2,307	370
Drummond	631	784	672	784	988	1,541	749	786	1,342	1,008	753	1,753	2,314	2,092	952	497	914	1,810	1,516	1,204	23,290	2,013
Elmsley, North	572	906	947	913	467	1,155	212	953	200	303	620	174	653	265	506	787	985	1,000	1,801	11,420	1,070
Lanark	159	466	707	687	514	619	517	390	297	405	27	488	77	664	604	488	765	517	497	530	10,537	1,764
Lavant	257	295	206	204	117	69	210	237	137	295	104	151	62	65	99	91	68	119	60	38	3,297	426
Montague	578	408	545	1,008	246	576	662	672	779	424	963	932	785	664	770	8,005	419	830	852	995	20,599	2,056
Pakenham	1,068	807	772	915	998	1,748	1,054	1,020	1,748	685	1,690	1,041	18,059	1,054	871	936	1,064	1,449	697	546	37,471	1,722
Ramsay	1,151	1,263	976	797	1,428	1,955	1,572	1,875	1,571	1,250	4,964	2,876	2,209	2,084	1,801	1,805	1,710	2,138	2,147	3,281	48,958	2,222
Sherbrooke, South	315	265	58	144	163	261	154	240	210	112	175	117	95	232	207	25	59	146	271	96	3,345	742
Totals																					$208,171	18,422

LEEDS AND GRENVILLE.

Bastard and Burgess	300	378	258	230	220	305	270	663	438	647	686	682	1,126	1,296	1,464	1,962	3,024	1,643	1,577		17,969	
Crosby, N	298	342	406	422	564	670	1,031	497	534	657	813	902	924	638	610	195	285	535	572	1,161	11,764	1,247
Crosby, S	964	97	307	216	153	169	547	609	579	558	516	409	491	722	644	671	1,205	1,221	1,226	2,474	12,002	14,964
Elizabethtown	2,758	4,144	2,295	1,845	2,547	2,564	2,861	2,753	2,875	2,795	2,136	2,457	1,973	8,603	6,845	4,915	3,899	6,296	2,122	5,256	71,728	4,681
Elmsley, South	436	262	348	317	416	527	356	452	585	388	254	285	1,556	1,205	1,047	241	759	360	1,287	1,263	12,354	780
Kitley	876	623	593	1,256	736	748	626	880	509	1,109	1,195	1,546	1,199	2,404	2,062	1,948	2,860	860	2,209	1,899	26,128	1,700
Leeds and Lansdowne, Front	2,937	11,770	2,654	3,100	3,114	3,477	2,308	2,655	3,110	3,047	3,795	4,709	5,788	7,215	5,809	4,710	6,155	6,242	6,745	8,453	99,506	2,960
Leeds and Lansdowne, Rear	921	732	271	832	843	573	655	820	842	588	705	1,588	1,615	2,574	2,025	2,598	1,429	2,229	2,454	2,280	26,246	1,478
Yonge and Escott, Front	920	985	821	904	751	676	709	748	649	2,841	3,016	1,938	1,536	3,756	4,232	4,984	3,155	3,198	1 3021 1 1467	1 1577 1 3676	45,503	1 1,470 1 1,086
Yonge and Escott, Rear	81	117	60	39	89	91	112	112	62	196	208	540	271	344	520	2,543	912	1,128	1,920	619	9,946	1,370
Augusta	1,745	2,476	2,237	2,025	2,097	1,771	1,915	1,642	1,830	1,800	1,800	1,443	1,417	3,027	5,287	3,486	2,045	2,653	4,000	5,278	49,285	3,458
Edwardsburg	2,026	1,638	2,133	1,594	1,852	1,222	1,850	1,159	1,633	1,046	1,511	1,701	1,053	1,356	1,284	1,458	1,162	2,667	2,553	3,418	34,180	4,153
Gower, South	170	380	245	128	347	322	233	703	374	108	220	292	366	455	534	375	285	349	389	676	6,858	1,083
Oxford	488	1,035	793	1,967	1,412	1,311	702	1,035	365	403	487	956	1,060	1,328	995	892	1,254	1,411	993	993	20,075	3,960
Wolford	94	198	317	523	380	226	674	509	450	319	370	436	320	645	799	729	987	870	1,061	957	10,860	2,288
Totals																					$458,723	31,692

TOWNSHIP ROAD EXPENDITURE.—Continued.

LENNOX AND ADDINGTON.

Name of Township.	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908	Total 20 years.	Statute Labour 1908
	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	Days.
Adolphustown	223	222	205	191	201	181	194	354	227	244	211	173	263	254	230	200	200	131	200	200	4,511	128
Amherst Island	225	302	238	264	235	140	161	240	173	224	176	267	151	191	224	200	200	643	754	758	5,742	915
Camden, East	3,200	2,530	3,198	3,163	2,187	2,392	1,736	2,886	1,831	2,460	2,669	5,622	3,064	3,194	2,684	5,195	4,529	5,125	3,718	2,739	64,524	5,304
Denbigh, Abunger and Ashley	680	942	423	458	463	480	462	575	112	156	58	187	142	60	181	161	129	64	265	691	6,679	579
Ernestown	2,628	1,625	2,170	2,491	2,310	2,290	1,161	1,671	1,622	1,360	1,813	1,952	2,060	2,018	2,111	2,775	2,850	2,775	3,024	3,380	44,086	2,375
Fredericksburg, N.	452	867	838	593	654	402	623	2,634	524	2,156	1,205	1,037	1,230	1,246	1,764	1,842	1,929	1,304	500	587	22,357	1,400
Frederickburg, S.	542	464	651	856	671	1,063	678	600	922	947	758	689	1,025	655	610	319	588	629	750	1,679	14,096	1,184
Kaladar, Anglesea and Effingham	593	415	380	318	161	308	367	187	185	179	217	151	88	304	442	293	78	352	146	287	5,799	935
Richmond	1,861	2,248	1,883	1,779	1,230	1,801	891	1,670	1,456	1,426	1,658	1,870	1,803	1,571	2,405	1,800	2,200	1,898	1,800	1,500	34,610	1,600
Sheffield	1,046	1,411	1,082	1,234	660	1,096	550	965	511	671	536	562	517	848	1,127	1,131	1,156	1,000	1,098	968	18,268	3,000
Totals																					$220,096	17 747

LINCOLN

Caistor	423	484	615	970	1,323	811	765	452	1,095	435	423	1,068	1,308	456	471	1,150	1,230	1,624	863	1,713	17,949	2,022
Clinton	398	364	453	446	1,889	981	1,809	1,502	56	1,613	1,963	2,041	2,426	1,831	2,897	2,897	3,361	6,196	1,186	8,270	42,549	
Gainsboro'	1,448	636	1,490	1,298	1,566	2,439	1,388	1,255	1,423	909	944	1,056	1,317	705	1,691	1,576	1,661	1,750	2,992	3,683	31,705	3.18¾
Grantham	572	664	941	1,076	1,323	1,277	1,079	1,159	548	1,060	1,353	1,092	666	790	974	1,442	923	1,200	4,723	19,957	42,756	2,750
Grimsby, North	420	574	798	2,414	1,778	1,138	1,247	1,775	1,435	1,784	1,596	2,314	1,694	860	2,304	2,796	1,404	2,508	2,815	3,184	37,603	2,412
Grimsby, South	393	208	852	453	904	765	400	1,014	1,083	347	1,229	904	1,400	1,221	1,632	115	201	1,885	2,085	1,181	18,336	1,615
Louth	1,277	409	260	1,145	1,568	1,389	975	1,925	1,167	2,189	1,433	1,551	1,986	1,515	2,586	3,850	1,949	3,863	4,181	5,705	43,905	
Niagara	635	583	1,424	470	1,893	1,839	1,493	1,499	1,256	1,459	1,878	2,822	2,539	768	1,634	2,553	2,845	2,398	1,885	1,441	29,109	
Totals																					$260,942	12,014¾

MANITOULIN.

Assiginack	61	172	47	37	67	208	302	297	457	326	257	346	349	426	624	530	350	448	1,311	2,126	8,744	1,120
Billings	69	34	16	46	76	100	284	54	28	241	181	189	45	147	118	98	171	194	784	664	3,537	188
Barpre				34	70	23	106	36	29	36	8	14	14	11	55	64	10	14	8		531	266
Carnarvon	42	214	342	92	25	198	75	57	263	55	113	261	158	231	376	1,328	895	843	1,201	1,167	8,179	954
Cockburn Is.	500	162	247	135	112	230	2	150	72	18	5		52	28	50	156	294	365	429	177	3,162	445
Gordon	154	125	146	44	194	83	102	175	150	164	250	369	111	371	374	105	600	1,031	1,000	1,164	7,797	760
Howland	277	5	87	104	105	82	109	118	284	147	122	97	582	222	326	347	350	585	1,154		5,403	
Sandfield	24	68	3			22		25	50	6	27	10	57		100	26	6	40	184	68	796	270¾
Tehkummah	41	36	30	72	108	49	82	29	151	57	110	209	115	380	418	147	58	572	1,000	1,005	4,700	592
Totals																					$42,779	5,177¾

TOWNSHIP ROAD EXPENDITURE.—Continued.

MIDDLESEX.

Name of Township.	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908	Total 20 years.	Statute Labour, 1908
	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	Days.
Adelaide	1,727	1,834	2,007	2,025	2,950	2,421	1,900	2,095	2,174	2,825	2,716	2,668	2,378	2,101	2,576	5,000	5,000	2,388	3,078	2,525	51,214	3,080
Biddulph	2,552	2,620	2,598	3,011	3,182	3,370	3,609	3,389	2,805	2,686	4,351	4,293	3,376	2,694	6,851	3,442	5,115	6,221	5,252	4,356	77,063	2,858
Caradoc	3,671	3,587	2,978	6,018	4,912	2,900	3,147	2,759	4,021	3,715	3,983	4,890	3,149	4,000	5,907	5,000	5,500	2,020	3,260	5,115	80,572	3,629
Delaware	1,694	1,822	1,843	3,795	1,782	1,287	1,338	1,338	2,573	1,718	2,457	1,526	1,080	860	2,964	3,593	2,465	3,941	2,845	2,720	42,924	1,791
Dorchester, North	3,887	4,424	4,910	8,160	4,902	5,749	4,792	3,167	4,474	3,369	4,943	6,804	5,065	5,637	6,574	7,536	5,532	9,579	3,420	4,880	104,859	4,7094
Dorchester, South	3,887	4,424	4,910	8,160	4,902	5,749	4,792	3,167	4,474	3,369	4,943	6,804	5,065	5,637	6,574	7,536	5,532	9,579	3,420	4,880	104,859	4,7094
Ekfrid	4,427	2,421	2,521	4,021	5,090	2,241	1,217	6,244	4,431	3,956	4,249	3,208	3,644	3,894	4,276	5,935	4,889	4,250	5,652	4,854	86,647	2,084
Lobo	4,427	2,421	2,521	4,021	5,090	2,241	1,217	6,244	4,431	3,956	4,249	3,208	3,644	3,894	4,276	5,935	4,889	4,250	5,652	4,854	86,647	2,084
London	11,688	7,774	11,560	11,404	11,455	13,077	9,468	15,200	13,109	13,209	14,730	21,522	11,155	5,508	10,618	12,102	13,291	16,260	26,199	.....	249,599	.....
McGillivray	3,949	4,338	3,975	5,243	5,223	6,395	3,518	4,125	3,350	5,809	5,069	6,232	4,298	3,257	4,570	5,020	4,493	4,570	5,070	6,115	95,319	1,828
Metcalfe	2,716	1,907	3,190	1,926	2,934	1,965	2,377	2,812	2,469	4,754	3,189	4,790	2,754	2,402	4,434	11,041	3,511	5,684	3,802	2,953	67,289	1,429
Mosa	2,708	2,325	2,605	2,654	2,097	2,425	1,775	1,603	1,894	1,705	2,026	2,087	2,425	1,983	2,349	2,391	2,266	2,776	3,179	2,363	45,223	2,120
Nissouri, West	2,803	3,086	6,056	4,054	4,146	3,742	4,792	4,392	3,834	3,349	5,333	2,452	5,435	6,242	7,484	7,122	6,121	3,619	7,802	7,639	99,073	3,166
Nissouri, West	2,803	3,086	6,056	4,054	4,146	3,742	4,792	4,392	3,834	3,349	5,333	2,452	5,435	6,242	7,484	7,122	6,121	3,619	7,802	7,639	99,073	3,166
Westminster	7,925	6,071	6,971	6,022	5,827	6,387	5,668	5,515	6,084	6,813	6,796	6,324	8,274	5,964	8,482	9,680	7,554	10,607	9,216	4,176	140,556	6,000
Williams, East	1,784	1,708	3,880	2,233	2,974	4,261	2,068	2,038	3,057	2,427	2,713	2,000	1,931	1,876	2,718	3,040	3,397	4,361	7,744	9,268	58,178	2,268
Williams, West	1,601	1,432	3,567	1,196	1,725	2,389	1,464	2,028	1,467	2,822	3,175	2,617	2,451	1,912	2,624	3,205	2,563	2,686	1,940	2,612	45,096	1,925
Totals	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	$1,332,041	42,8644

MUSKOKA.

Brunel	160	175	284	454	455	395	589	389	343	592	202	728	722	776	574	538	511	496	453	431	9,267	846
Cardwell	49	62	145	206	138	41	97	112	149	195	107	215	254	409	287	435	450	336	268	268	4,184	578
Chaffey	320	408	432	398	373	534	346	480	596	524	378	511	534	845	853	600	900	1,446	1,045	463	12,017	1,211
Draper	955	404	575	609	403	600	427	851	607	325	1,205	611	1,006	1,699	1,983	1,221	2,057	1,242	1,050	1,982	19,222	919
Macaulay	248	78	94	121	179	158	357	390	221	250	274	209	564	485	482	500	664	987	460	425	7,144	842
McLean and Ridout	905	409	331	327	565	728	771	820	691	558	422	675	1,128	1,378	502	1,019	1,065	886	1,208	1,000	15,238	818
Macaulay	905	409	331	327	565	728	771	820	691	558	422	675	1,128	1,378	502	1,019	1,065	886	1,208	1,000	15,238	.....
Medora and Wood	240	683	559	460	363	675	873	601	892	669	700	977	1,557	1,903	3,287	1,043	629	2,884	3,804	2,841	25,875	.....
Monck	321	379	308	296	379	376	435	355	356	348	325	358	1,153	1,390	1,774	1,651	1,651	1,695	1,775	1,585	5,845	.....
Morrison	92	334	416	189	516	337	331	283	225	347	215	305	389	238	457	.....	343	328	604	.....	17,310	1,703
Muskoka	465	310	283	381	494	311	224	433	371	352	222	604	729	256	532	399	413	398	898	1,249	9,223	813
Oakley	373	422	244	324	319	243	218	295	35	41	274	248	326	387	180	276	250	301	469	527	5,005	416
Ryde	131	268	179	90	323	233	157	223	165	108	110	109	294	122	103	189	200	256	408	201	3,867	452
Stephenson	472	384	491	746	767	950	741	625	906	506	463	947	2,132	2,402	959	1,198	942	926	642	841	18,100	1,373
Stisted	422	547	410	276	460	320	307	351	527	382	353	485	391	561	349	429	530	746	538	780	9,034	700
Watt	155	165	222	352	245	197	307	225	377	182	193	253	343	437	598	686	766	806	676	948	8,391	1,220
Totals	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	$170,752	11,891

TOWNSHIP ROAD EXPENDITURE.—Continued.

NIPISSING.

Name of Township.	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908	Total 20 years.	Statute Labour, 1908
	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	Days.
Bonfield	180	103	226	77	25	74	318	319	318	259	204	206	658	742	496	196	223	471	125	109	5,602	775
Caldwell	.....	.....	.....	.....	.....	181	230	191	228	15	123	274	1,192	348	741	718	113	983	900	1,700	8,253	1,000
Calvin	72	.....	.....	31	41	34	50	68	49	19	80	18	220	296	24	18	126	42	13	116	1,107	450
Cameron	72	10	9	.....	.....	308	.....	14	10	17	31	21	14	37	56	9	15	10	20	.....	618	187
Ferris	78	108	52	91	.....	19	26	13	100	70	204	249	390	31	54	116	148	7201	211	1,242	3,382	.....
McKim	2,839	5,095	4,263	1,355	305	478	841	653	359	367	1,077	827	515	1,351	1,768	1,901	665	982	923	988	26,577	.....
Mattawan	.....	44	53	45	49	13	57	11	1	28	85	42	48	45	34	7	6	19	56	1	631	188
Papineau	135	50	31	44	61	17	24	2	25	3	7	1	8	3	12	12	3	4	.....	.....	437	402
Ratter and Dunnet	.....	.....	.....	.....	.....	.....	.....	.....	62	186	209	14	139	373	99	261	155	377	115	333	2,092	1,000
Springer	576	892	503	1,237	584	1,129	1,005	454	441	186	269	1,082	1,054	753	482	800	950	1,228	100	355	15,124	1,080
Widdifield	3,347	1,551	219	183	165	238	137	240	242	184	360	395	672	1759	926	791	816	557	1,988	2,280	15,017	2,335
Dymond	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	66	1174	169	167	611	1,837	875	1,825	6,233	794
Evanturel	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	12	248	562	439	1,452	.....
Hammer	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	138	413	881	1,432	176
Hatley	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	307	256	680	272	3,511	1,820	937
Hudson	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	76	642	3,015	3,020	6,765	451
Coleman	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	11,165	8,125	19,812	39,135	.....
Buckey	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	298	386	1,753	2,437	.....
Kerns	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	104	558	2,117	3,779	1,079
Hagar	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	8	53	179	240	376
Maitland	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	64	160	324	150
Totals	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	$146,508	12,115

NORFOLK.

Charlotteville	944	692	629	1,115	964	840	698	958	1,235	1,201	1,690	2,457	660	1,959	2,212	2,165	1,973	1,869	623	883	28,722	3,382
Houghton	1,027	957	1,119	862	1,079	724	598	892	1,249	846	1,045	824	1,378	1,844	2,536	2,389	2,085	2,667	1,542	2,410	28,023	1,628
Middleton	2,583	2,036	2,337	2,863	2,602	1,740	1,397	2,342	2,201	1,964	2,826	1,849	2,247	1,679	2,026	1,876	2,021	3,337	1,973	3,995	48,964	3,345
Townsend	1,344	1,167	2,250	2,144	1,101	1,212	1,016	2,169	1,949	3,886	2,342	1,586	1,166	1,342	2,157	2,634	1,077	2,017	3,908	1,314	44,356	4,569
Walsingham, North	1,010	1,178	1,382	1,932	1,349	2,131	1,980	1,578	1,541	1,755	1,711	2,429	1,499	1,751	2,353	6,166	2,162	2,024	1,926	2,854	42,374	2,980
Walsingham, South	475	968	962	1,437	1,060	1,088	1,252	1,301	1,232	2,211	1,242	1,175	1,111	846	2,230	4,589	618	1,923	2,471	812	28,917	2,429
Windham	2,297	1,495	1,911	3,363	1,787	1,399	846	2,058	1,362	836	1,225	1,174	2,453	794	2,121	4,083	3,195	1,912	2,304	3,886	40,079	1,175
Woodhouse	1,248	1,136	2,032	1,333	687	2,759	1,149	1,586	1,045	1,612	2,472	1,184	1,551	1,242	2,750	3,842	2,743	1,905	2,096	1,625	37,899	2,995
Totals	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	$307,333	24,502

TOWNSHIP ROAD EXPENDITURE.—Continued.

NORTHUMBERLAND AND DURHAM.

Name of Township.	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908	Total 20 years.	Statute Labour, 1908
	$	$	$ c.	$ c.	$ c.	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	Days.
Alnwick	809	743	797 05	482 27	734 81	560	480	571	511	577	807	736	841	1,057	743	745	182	979	1,350	1,111	15,256	3,895
Brighton	1,082	1,303	1,077 00	842 00	1,119 22	1,402	826	1,197	1,459	1,456	1,428	1,784	1,604	1,266	1,500	1,880	1,885	1,851	1,674	1,974	24,206	3,478
Cramahe	817	1,058	874 00	737 00	794 00	1,194	1,165	1,248	1,206	1,090	1,044	1,482	889	1,390	1,574	1,785	1,930	1,915	2,722	2,101	28,304	3,100
Haldimand	3,804	4,456	3,402 00	3,312 00	2,565 00	4,290	2,405	2,817	1,577	2,238	2,275	2,965	2,283	3,402	2,875	2,008	2,103	5,158	4,618	3,193	62,842	4,200
Hamilton	7,417	4,093	2,732 00	2,564 00	1,879 00	2,665	1,424	1,848	2,439	2,437	2,436	2,922	2,758	3,034	4,561	4,548	4,708	7,061	5,422	5,853	68,492	5,030
Monaghan, S	408	636	992 00	358 00	470 00	478	2,490	712	443	698	524	605	800	589	848	700	650	918	700	750	14,022	980
Murray	866	2,057	1,208 00	926 00	1,392 00	1,294	892	1,184	1,219	1,529	1,367	1,150	1,369	1,778	2,256	1,922	2,532	1,863	2,004	1,728	30,545	3,351
Percy	1,540	3,660	2,852 00	1,828 00	2,160 00	2,003	2,149	2,282	2,284	2,676	2,420	2,643	2,045	3,445	3,343	2,287	2,425	4,045	3,899	3,024	54,250	3,238
Seymour	1,398	3,895	3,018 00	1,282 00	4,565 00	5,725	1,405	1,220	1,458	4,105	5,420	4,476	3,067	3,157	9,250	4,372	4,810	4,685	5,426	6,398	77,454	2,448
Cartwright	1,685	2,031	1,453 00	1,034 00	554 00	964	723	904	1,200	765	1,122	658	836	779	610	1,067	1,644	1,497	1,072	1,032	21 697	1,780
Clarke	1,354	1,626	1,297 00	1,815 00	2,562 00	1,784	1,108	2,011	1,724	1,768	2,286	1,840	2,221	4,894	5,110	2,037	1,805	4,274	4,955	5,214	54,945	3,244
Darlington	1,831	3,874	2,423 00	2,180 00	1,597 00	2,582	2,707	2,186	2,899	2,819	2,870	1,981	2,857	3,014	2,604	3,038	2,329	3,207	3,166	2,867	52,980	4,079
Hope	3,029	5,042	2,207 00	2,908 00	2,744 00	4,306	2,973	3,930	3,224	3,241	3,650	3,557	4,053	3,197	3,609	3,751	4,305	4,811	3,690	3,387	71,624	4,400
Manvers	1,442	2,829	1,885 00	1,975 00	1,371 00	1,720	1,765	1,674	2,461	1,881	2,276	1,726	1,917	8,082	2,076	1,317	1,975	2,971	3,251	3,136	47,649	3,852
	1,111	1,420	1,219 00	1,229 00	1,656 00	1,110	636	1,221	2,030	974	1,070	1,916	1,777	3,172	1,705	2,228	3,581	2,467	2,018	2,251	33,884	3,530
Totals																					$865,736	47,605

ONTARIO

Brock	2,760	3,059	1,796 00	2,497 00	2,755 00	2,128	1,956	2,316	2,690	3,235	2,881	2,554	3,585	3,270	4,335	2,313	3,411	3,817	3,659	4,650	59,067	3,691
Mara	2,115	2,592	2,620 00	2,054 00	2,852 00	2,109	2,022	3,018	2,399	2,452	2,515	3,243	2,630	2,511	4,551	2,829	3,803	3,019	4,827	5,388	59,549	3,355
Pickering	4,493	20,077	10,544 00	3,302 00	4,363 00	3,977	3,549	3,408	2,840	4,422	4,410	7,983	6,967	9,080	9,378	4,038	6,167	10,770	6,883	5,410	132,061	4,426
Rama	990	510	938 00	583 00	590 00	730	786	732	1,735	1,158	464	810	855	912	3,684	1,663	905	1,745	387	2,462	22,658	1,353
Reach	1,877	3,144	2,356 00	2,000 00	1,560 00	1,893	1,692	2,054	1,995	1,652	1,736	2,026	2,776	2,324	5,057	4,991	5,808	5,700	2,582	3,568	56,591	4,070
Scott	1,858	2,304	1,855 00	2,028 00	1,906 00	2,137	1,483	1,763	1,458	1,250	1,392	1,131	1,705	2,342	2,093	1,885	2,460	2,642	2,690	2,824	39,186	1,774
Scugog	139	255	214 00	217 00	105 00	274	248	347	246	177	133	169	85	216	204	450	150	318	575	600	5,113	551
Thorah	1,468	2,066	2,075 00	1,342 00	1,664 00	1,539	1,603	1,482	1,897	1,362	1,422	1,328	1,754	3,130	5,396	1,740	2,303	2,800	3,231	1,432	41,034	1,783
Uxbridge	1,957	1,863	1,212 00	1,705 00	1,186 00	1,146	1,035	1,500	1,587	1,463	1,542	1,551	1,565	2,028	1,871	1,162	1,490	1,910	1,255	1,347	30,375	2,634
Whitby, E.	2,050	5,856	1,776 00	2,093 00	1,793 00	1,745	1,836	1,898	1,511	1,523	2,352	3,476	3,741	2,746	3,167	4,316	3,206	4,388	3,383	3,246	54,102	3,523
Whitby	1,015	13,593	3,462 00	1,355 00	1,296 00	1,282	922	1,597	1,296	1,408	1,877	2,865	2,027	3,167	4,163	2,748	2,669	4,720	4,300	5,285	61,645	2,254
Totals																					$561,861	29,314

TOWNSHIP ROAD EXPENDITURE.– Continued.

OXFORD.

Name of Township.	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908	Total 20 Years.	Statute Labour 1908
	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	Days.
Blandford	1,475	910	1,392	961	1,096	1,707	1,063	1,247	895	2,567	2,745	1,627	2,401	1,498	2,576	1,769	3,096	2,737	2,500	2,500	36,762	2,641
Blenheim	3,604	2,102	4,301	3,913	4,183	5,469	4,023	4,181	5,507	2,984	4,717	4,774	6,152	4,941	6,005	8,437	6,714	6,891	6,071	5,747	99,774	5,206
Dereham	1,349	1,566	1,998	2,553	3,506	3,882	2,890	2,974	3,249	4,629	5,951	4,736	5,293	4,357	5,504	5,476	9,455	9,974	7,757	7,557	90,572	3,965
Nissouri, East	1,620	2,034	2,032	1,822	2,334	1,810	2,863	2,247	2,740	2,709	3,735	3,950	3,904	4,155	5,159	5,574	7,296	5,780	7,768	7,650	75,072	3,123
Norwich, North	1,550	1,374	1,593	1,989	1,662	1,919	2,080	2,983	3,120	3,526	3,591	3,363	4,851	3,205	3,088	5,793	6,658	5,356	5,653	7,292	70,816	3,446
Norwich, South	1,049	2,837	2,199	2,189	2,058	1,792	2,202	1,884	2,446	1,760	2,481	3,749	3,284	2,952	3,487	3,430	3,913	3,995	4,575	5,087	54,259	2,977
Oxford, East	780	827	1,433	1,595	1,312	1,608	1,371	1,508	1,505	1,854	3,237	2,321	2,075	2,020	4,223	3,500	3,400	5,936	2,902	2,062	45,564	2,839
Oxford, North	930	1,285	1,083	1,099	1,030	2,856	1,159	1,986	1,921	1,467	1,701	1,418	1,466	1,423	1,910	2,077	2,141	2,767	1,200	1,200	31,062	1,356
Oxford, West	721	745	1,326	760	1,253	1,074	1,150	1,354	1,204	1,443	2,038	1,375	1,255	2,040	2,337	1,922	1,678	5,444	974	365	26,027	2,242
Zorra, East	4,780	3,844	5,621	4,467	4,294	7,982	4,462	4,408	5,721	5,828	8,209	9,413	7,370	5,700	14,315	9,315	9,358	12,974	10,178	9,480	148,877	4,587
Zorra, West	3,344	3,862	2,802	3,716	4,566	2,742	3,044	3,461	3,918	1,637	6,401	2,601	5,088	1,251	3,601	5,027	5,760	7,987	12,220	6,500	86,388	3,188
Totals																					$881,573	34,220

PARRY SOUND.

Armour		71	212	279	198	204	117	157	317	341	46	354	302	167	310	250	200	1,412	1,097	1,285	7,219	1,100
Carling										30	25	43	252	54	19	10	5	59	116	369	982	372
Chapman		60	46	62	16	461	64	371	246	152	202	94	261	165	201	369	184	551	861	701	5,071	993
Christie								38	122	230	199	429	110	588	454	248	400	356	564	226	3,725	400
Foley	121	210	147	110	202	344	347	125	174	227	150	324	336	142	240	298	243	244	610	426	4,819	744
Hagerman		26	29	30	20	127	113	86	53	119	74	62	131	62	177	114	202	128	79	140	1,742	382
Himsworth	116	104	381	150	263	249	137	339	146	121	175	107	228	165	168	168	609	151	430	1,107	5,324	1,031
Himsworth, S		73	48	487	179	118	186	185	206	342	196	500	624	400	465	147	250	335	400	294	5,534	1,585
Humphrey	156	132	170	339	388	237	226	295	196	185	224	142	277	418	514	1,025	600	887	200	265	6,886	935
Joly			106	107	28	125	137	43	6	69	61	34	138	70	82	85	144	90	120	116	1,555	380
McDougall	218	206	195	275	179	345	224	375	249	273	458	429	425	585	588	300	200	653	564	226	6,958	704
McKellar	240	180	191	240	198	468	452	751	104	357	230	270	268	289	365	571	449	417	354	369	6,777	579
McMurrich			56	139	157	150	140	382	300	335	99	251	262	257	378	425	341	473	1,355	535	5,985	973
Machar		29	134	120	45	146	234	174	166	101	110	212	302	176	286	317	267	192	20	112	3,179	866
Nipissing	69		285	150	125	2	51	48	56	31	32	106	55	67	41	175	136	181	135	196	1,919	745
Perry	42	161	282	287	360	560	208	119	315	349	394	457	441	245	502	534	525	1,108	1,094	2,386	10,282	1,300
Ryerson	97	49	160	8	140	76	125	110	174	102	84	261	250	274	180	245	73	721	308	258	3,642	1,160
Strong	741	251	469	93	230	355	90	342	283	60	340	154	205	215	296	108	198	951	1,506	258	7,086	957
Totals																					$88,553	15,472

TOWNSHIP ROAD EXPENDITURE.—Continued.

PEEL.

Name of Township.	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908	Total 20 years.	Statute Labour, 1908
	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	Days.
Albion	1,569	2,299	1,740	1,580	1,800	2,179	1,025	1,450	2,118	1,413	2,192	2,094	2,872	1,701	3,390	2,000	2,500	2,928	3,042	2,813	42,610	2,400
Caledon	1,120	2,640	976	856	2,306	1,804	1,180	1,346	1,731	1,058	2,080	2,959	5,787	4,057	4,247	3,335	5,200	6,491	5,018	4,618	54,518	4,149
Chinguacousy	2,192	3,570	4,040	2,040	3,017	2,165	2,060	2,256	3,936	4,297	5,749	2,342	2,952	5,150	4,702	3,278	4,620	4,494	6,328	6,735	55,843	3,235
Toronto	2,474	2,484	3,415	4,116	7,157	5,749	8,287	6,733	4,184	3,888	5,273	4,170	7,441	3,721	4,491	7,056	4,410	11,319	1,507	11,915	117,547	5,694
Toronto Gore	529	1,150	894	1,052	806	1,095	685	446	859	1,372	1,259	1,641	3,528	1,323	1,336	1,560	2,300	2,044	2,553	2,686	29,034	.....
Totals	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	$411,522	15,448

PERTH.

Blanshard	3,067	3,484	4,201	3,899	4,558	4,046	4,994	3,455	2,680	3,847	4,579	4,268	5,382	5,626	6,353	5,462	6,240	7,502	11,377	.....	91,356	.....
Downie	5,296	4,412	4,684	4,907	5,707	5,162	4,394	2,951	3,035	2,788	4,564	2,806	6,297	5,086	10,009	6,992	6,656	7,014	8,212	6,502	105,394	.....
Easthope, North	825	1,585	1,786	1,644	2,541	2,141	1,182	1,903	1,786	2,453	2,246	2,425	2,416	1,770	1,469	1,359	2,785	4,578	2,927	3,404	48,176	2,727
Easthope, South	1,572	1,469	1,722	1,649	1,716	2,115	1,687	1,508	1,299	1,607	2,054	3,215	1,778	2,306	2,574	2,125	2,262	2,982	3,539	2,606	43,674	1,560
Elma	3,726	2,469	2,913	4,329	4,085	3,469	3,249	2,476	4,600	4,274	7,263	4,151	3,769	3,509	6,089	4,712	4,710	6,843	8,622	7,995	92,952	2,936
Ellice	1,985	2,978	2,497	2,249	3,228	3,451	3,180	3,313	3,555	1,058	3,516	8,159	4,599	4,175	5,316	7,786	2,858	5,158	6,054	7,100	81,951	4,452
Fullarton	5,076	5,354	5,822	4,217	4,837	4,690	3,569	3,028	3,926	4,618	4,007	6,328	6,029	4,805	1,691	5,053	1,485	6,112	5,741	5,541	92,885	.....
Hibbert	1,896	2,477	2,402	1,658	2,907	2,470	2,154	1,906	2,244	1,674	2,200	2,987	2,086	2,101	3,299	3,143	3,084	4,574	3,807	6,004	55,977	2,599
Logan	2,491	3,501	3,515	3,324	4,457	3,247	4,603	3,791	4,481	2,936	3,968	5,251	5,436	3,801	4,457	4,611	5,800	7,042	5,059	5,826	85,357	.....
Mornington	2,484	4,543	4,149	3,585	3,251	2,530	2,124	3,555	3,533	4,038	3,837	3,644	4,942	4,473	6,213	5,703	5,288	5,428	4,500	2,500	80,197	3,165
Wallace	1,630	1,980	1,410	985	1,111	1,771	960	1,190	1,478	1,439	1,541	2,009	1,221	1,446	2,441	2,284	1,857	1,857	1,586	1,014	30,445	2,810
Totals	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	$808,394	20,509

PETERBOROUGH.

Asphodel	1,210	1,386	855	925	2,072	880	729	941	1,122	1,918	1,411	1,291	1,038	1,645	2,251	1,658	2,623	3,245	4,497	3,031	34,748	1,733
Belmont, etc	1,399	1,709	1,485	1,082	688	510	738	795	791	838	1,175	1,036	944	1,180	1,079	1,305	957	346	1,028	1,340	19,925	1,522
Burleigh, etc	298	370	244	325	423	284	104	116	109	95	29	24	19	122	125	185	467	404	139	225	4,005	619
Chandos	.....	.....	.....	.....	.....	.....	240	273	157	85	122	67	113	80	131	133	150	134	300	300	2,284	350
Douro	907	1,587	1,005	889	1,129	1,193	1,043	1,072	919	1,105	1,317	1,272	1,162	1,337	1,628	1,230	1,358	1,488	1,300	1,200	21,041	1,409
Dummer	538	709	626	678	795	729	860	992	841	741	941	826	1,063	885	862	1,564	842	1,095	1,387	1,546	18,150	1,704
Ennismore	446	503	634	479	90	390	514	307	370	112	258	110	203	98	379	300	275	229	600	600	6,504	850
Galway, etc	174	84	240	261	141	185	95	55	20	6	8	1	17	34	204	40	12	8	.....	.....	1,502	300
Harvey	675	362	328	389	374	549	312	557	327	414	334	225	214	172	513	225	150	290	397	308	7,075	1,231
Monaghan, North	241	368	412	366	558	243	371	695	1,156	1,298	1,522	1,310	964	1,096	1,780	529	236	1,087	2,156	1,847	18,107	1,393
Otonabee	1,979	2,234	2,422	2,232	2,359	2,340	2,149	2,940	2,146	2,702	2,649	3,303	3,733	3,513	3,758	4,216	3,498	5,972	4,260	5,291	63,756	3,284
Smith	1,507	1,543	2,514	1,460	1,377	1,630	1,574	2,311	1,782	1,810	2,693	2,211	2,349	3,193	2,895	2,420	3,500	1,847	4,040	2,507	45,293	3,156
Totals	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	$245,919	17,561

TOWNSHIP ROAD EXPENDITURE. Continued.

PRESCOTT AND RUSSELL.

Name of Township.	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908	Total 20 years.	Statute Labour, 1908
	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	Days.
Alfred	2,080	639	242	795	1,142	807	1,174	1,016	980	941	1,546	600	745	807	1,737	888	1,383	1,626	2,061	1,648	22,956	2,052
Caledonia	313	387	693	582	632	533	520	763	1,477	525	715	352	1,110	670	775	655	1,138	1,342	763	1,203	15,148	1,756
Hawkesbury, East	804	844	692	967	591	480	755	836	732	469	302	1,009	810	1,511	1,385	1,883	2,411	1,879	1,722	1,336	21,318	2,809
Hawkesbury, West	473	232	384	326	358	177	367	414	199	267	246	302	544	1,352	2,071	1,102	2,963	3,567	1,364	2,827	19,535	1,360
Longueuil	71	247	78	137	124	58	52	91	36	120	56	151	94	91	150	150	125	358	150	200	2,509	885
Plantagenet, North	1,828	1,248	849	1,208	1,405	2,146	795	1,509	1,100	888	1,312	1,666	3,316	2,408	1,734	2,229	1,509	2,816	1,824	3,604	35,173	2,500
Plantagenet, South	1,156	1,470	1,097	1,062	2,189	660	1,003	1,250	1,561	1,212	1,437	1,682	2,376	1,194	543	1,924	1,745	2,891	2,211	2,482	31,145	2,450
Cambridge	994	1,912	968	1,188	1,049	843	1,053	1,047	1,779	1,062	3,103	2,093	12,274	2,902	2,436	5,866	3,228	3,515	3,398	2,749	50,061	3,578
Clarence	1,752	2,166	993	1,258	1,651	2,168	1,794	2,415	1,494	1,582	2,326	1,649	2,661	1,192	3,065	3,200	3,474	3,476	4,767	2,194	45,277	2,758
Cumberland	787	1,973	1,769	2,480	3,493	2,865	3,778	2,747	3,185	2,564	2,333	1,261	2,312	3,476	4,784	3,681	3,600	3,659	6,000	6,000	62,747	7,600
Russell	1,019	1,262	1,960	1,285	1,481	3,142	1,508	1,871	2,252	1,448	1,426	2,638	2,752	3,265	2,380	2,181	1,031	907	5,000	5,000	46,811	4,885
Totals																					$352,680	31,431

PRINCE EDWARD.

Ameliasburg	345	648	492	993	451	553	312	230	843	424	1,977	1,710	738	600	1,355	1,457	844	2,039	2,120	1,496	19,797	3,138
Athol		3	25	127	184	93	4	36	11	8	47	148	253	90	195	1,428	435	367	352	347	4,143	2,060
Hallowell	346	621	380	138	465	222	561	833	698	588	603	1,440	1,034	386	2,037	1,288	1,036	1,438	1,610	2,164	17,888	4,767
Hillier	338	182	215	182	375	143	156	615	308	190	378	328	288	371	1,217	150	393	676	815	1,006	8,236	2,170
Marysburg, N	28	73	174	371	406	157	85	159	134	116	75	147	464	245	426	900	50	485	800	800	6,003	2,200
Marysburg, S	21	105	178	121	122	276	82	84	40	253	115	278	40	543	337	707	3067	144	351	250	4,343	1,825
Sophiasburg	250	464	329	416	344	321	269	408	405	304	469	517	798	407	848	776	783	609	728	439	9,944	3,045
Totals																					$70,444	19,205

RAINY RIVER.

Alberton							348	699	325		30	265	290	490	482	695	602	511	378	3,088	8,209	738
Keewatin	1,463	1,668	717	291	1,476	119	124	482	240	781	618	2,516	1,284	1,550	1,305	773	1,131	1,041			17,960	
McIrvine										623	856	1,188	1,650	2,471	49	442	381	451	52	578	8,747	699
Van Horne											22	23	30	83	39	81	46	55	200	100	963	1,312
Chapple												25	25	136	387	353	652	2,116	1,218	2,297	7,209	1,724
Emo												60	65	345	990	600	100	1,295	736	1,215	8,426	1,430
Morley and Pattullo															78		644	458	264	1,860	3,304	147
Worthington and Blue																			68	119	187	610
Atwood																		1,467	284	180	4,931	465
La Vallee																46	122	381	700	3,658	4,904	1,497
Dilke																			1,035	1,008	2,128	389
Totals																					$66,978	8,579

TOWNSHIP ROAD EXPENDITURE.—Continued.

RENFREW.

Name of Township.	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908	Total 20 Years.	Statute Labour, 1908.
	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	Days.
Admaston	179	143	235	241	79	151	1,065	1,092	179	254	1,188	649	1,129	543	749	1,166	1,193	1,194	1,261	1,031	13,096	1,347
Algona, South	75	25	23	30	58	10	10	51	1	10	22	15	29	27	18	25	17	3	10	14	390	166
Alice, etc.	268	501	243	281	152	278	149	298	221	272	214	141	226	271	184	73	323	563	274	252	6,037	898
Bagot and Blythfield	3,223	236	521	370	145	375	147	142	706	552	299	320	290	528	248	1,724	224	271	197	169	11,971	1,907
Bromley	244	284	284	469	346	443	661	565	723	474	463	300	536	1,188	453	1,063	1,063	925	646	1,467	11,426	1,244
Brougham	70	57	25	65	22	.....	1	.....	16	.....	140	140	20	.....	120	6	80	53	65	25	2,879	178
Brudenell and Lyndoch	77	51	42	140	141	26	186	45	173	176	105	145	198	121	265	36	68	72	90	42	2,072	849
Grattan	289	180	254	189	593	500	286	355	276	142	94	271	224	83	247	115	149	316	160	171	4,961	870
Griffith, etc.	68	92	142	70	97	253	58	71	56	58	84	52	33	15	95	43	33	26	14	24	1,434	266
Hagarty, et al.	120	217	125	669	505	381	216	163	187	186	756	329	852	874	436	500	500	[illegible]	214	.....	11,271	.....
Head, et al.	85	.....	9	6	1	.....	.....	.....	.....	.....	.....	14	1	8	1	8	10	.....	.....	1	3,205	222
Horton	123	201	241	153	151	180	358	252	195	269	101	111	352	230	138	372	695	682	5,924	1,663	17,534	1,958
McNab	391	2,136	725	1,150	1,022	3,211	821	587	1,131	3,864	109	1,953	1,692	542	1,110	1,750	1,121	1,387	15,111	2,469	43,365	2,687
Pembroke	101	83	.....	70	29	210	117	126	317	161	70	85	611	521	126	86	270	91	55	19	3,152	580
Petawawa	188	57	124	169	222	172	62	6	107	.....	25	125	334	284	71	94	24	25	100	22	2,034	1,077
Radcliffe and Raglan	255	161	170	122	67	94	225	59	65	143	161	221	228	92	61	117	213	301	198	26	3,336	165
Rolph, Buchanan and Wylie	50	60	45	8	91	43	16	50	19	9	22	43	16	.....	102	52	101	57	11	.....	818	625
Ross	204	313	319	942	959	721	554	691	853	536	969	721	775	850	1,188	1,400	1,200	2,121	3,173	1,129	19,527	1,155
Sebastopol	38	66	57	72	14	63	81	62	10	16	48	142	34	35	47	75	15	60	10	59	1,005	305
Stafford	94	211	173	267	106	133	202	209	243	157	189	110	112	160	722	500	500	651	700	1,200	7,352	.....
Westmeath	2,174	878	925	1,011	544	1,005	1,117	1,382	1,104	2,240	1,290	925	854	1,525	3,059	2,444	2,934	3,064	2,262	2,500	33,663	2,325
Wilberforce	176	244	244	458	176	574	529	437	201	222	550	562	443	577	647	537	517	710	924	10,160	1,737	.....
Totals																					$248,185	18,684

SIMCOE.

Adjala	363	1,487	483	671	1,013	865	560	1,236	1,134	818	2,124	1,748	1,923	996	1,609	3,530	3,988	3,336	2,124	1,952	31,052	2,680
Essa	2,252	3,092	1,678	1,441	2,121	2,885	2,886	2,755	2,107	1,931	2,166	1,861	1,956	2,040	2,142	1,582	5,000	3,992	5,156	3,601	56,306	3,000
Flos	1,586	1,806	1,580	577	1,223	1,332	1,312	1,777	2,018	3,146	1,747	2,004	1,662	2,675	2,979	1,186	3,586	2,502	3,143	2,486	39,270	2,500
Gwillimbury, West	932	833	596	775	808	874	755	1,478	1,113	856	1,052	761	1,112	1,201	1,237	1,046	1,533	1,555	1,716	1,739	21,421	2,490
Innisfil	1,615	1,691	862	1,144	1,522	1,381	1,165	1,750	1,547	2,557	3,006	2,559	2,201	2,912	2,357	2,015	3,592	3,285	3,802	3,370	45,144	1,189
Matchedash	348	475	292	161	120	259	201	142	174	295	264	233	211	349	258	176	124	7	108	650	6,162	260
Medonte	1,944	1,638	1,532	1,729	1,551	2,215	2,345	1,719	2,189	2,755	1,792	2,270	2,261	2,953	1,579	2,611	4,095	5,026	2,785	1,926	49,548	2,836
Nottawasaga	2,184	3,212	2,809	3,563	3,078	3,684	3,270	3,005	3,127	3,043	3,241	1,818	3,305	2,950	3,102	1,685	5,564	5,370	4,916	1,659	82,372	10,295
Orillia	1,929	2,890	662	2,256	2,075	2,638	1,997	1,556	1,397	1,357	2,345	3,581	3,075	3,222	2,830	1,742	3,850	5,811	3,843	1,551	57,674	.....
Otto	646	1,532	1,008	1,721	1,874	1,534	1,461	2,111	1,048	1,222	1,527	1,918	1,621	1,176	1,918	1,963	2,978	1,850	2,548	1,700	31,952	1,726
Sunnidale	857	1,669	1,810	1,972	1,611	1,998	1,374	1,592	1,958	845	1,741	2,029	2,179	1,866	1,702	1,800	2,200	2,144	1,705	2,000	33,678	2,604
Tay	915	1,811	1,281	2,098	1,851	1,473	1,560	1,515	1,430	1,672	1,503	1,923	1,821	1,618	1,183	1,300	1,300	2,316	3,290	2,983	34,103	5,114
Tecumseh	1,524	1,599	2,075	1,246	2,445	2,169	2,257	3,395	2,663	1,949	3,122	3,570	5,977	4,972	5,847	5,508	4,861	5,791	6,061	5,986	75,565	.....
Tiny	1,035	2,377	1,619	1,247	1,021	1,110	812	1,501	2,166	1,387	1,498	1,878	1,720	1,313	952	1,855	1,247	1,261	3,264	2,355	35,001	1,689
Tossorontio	581	625	858	498	543	113	553	727	887	1,011	610	725	1,151	1,211	515	1,000	800	1,187	912	521	14,955	1,437
Vespra	853	2,215	1,753	1,118	1,859	1,591	1,598	1,441	1,378	1,195	1,671	1,882	1,152	2,765	2,951	1,500	2,178	2,240	1,753	1,852	34,293	2,095
Totals																					$649,142	39,442

TOWNSHIP ROAD EXPENDITURE.– Continued.

THUNDER BAY.

Name of Township.	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908	Total 20 Years.	Statute Labour, 1908.
	$	$	$	$	$		$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	Days.
Neebing	3,823	3,472	19,457	7,594	7,728	2,646	496	506	825	384	578	1,025	582	749	1,362	537	1,667	6,991	5,554	8,250	74,232	.....
Oliver	448	448	149	146	146	131	154	297	156	254	214	334	291	476	1,169	1,124	1,267	954	1,645	3,863	14,049	1,649
Shuniah	2,669	3,244	7,815	529	715	475	42	786	277	247	323	852	641	630	1,242	897	1,782	2,205	2,079	7,746	35,591	.....
Schreiber	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4	14	19	.....	198	214	30	.....	479	.....
Paipoonge	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	425	1,700	1,042	1,350	7,382	1,758
O'Connor	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	97	97	342
Totals	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	$161,540	3,289

VICTORIA.

Bexley	104	41	149	141	171	.....	150	640	121	107	302	287	241	271	294	129	146	324	400	450	3,448	795
Carden	102	148	628	353	193	105	284	83	79	205	262	405	72	197	430	286	386	187	222	165	4,914	571
Dalton	116	224	320	235	224	190	194	278	137	74	258	257	285	191	190	164	197	311	1,600	2,000	7,651	560
Eldon	766	1,273	1,894	1,227	1,428	1,469	950	1,771	1,559	1,551	1,647	1,993	1,513	1,772	3,895	3,373	1,859	2,678	2,037	1,350	35,764	3,607
Emily	2,025	2,188	1,999	1,180	1,538	1,475	576	747	1,174	1,002	2,035	5,567	1,810	1,865	2,175	1,904	2,002	1,895	2,249	2,132	38,063	3,093
Fenelon	724	926	509	699	612	507	702	816	2,247	888	1,170	1,455	1,146	1,192	1,513	1,553	1,514	1,842	1,817	1,874	23,806	2,373
Laxton, etc	4	7	189	99	55	146	201	256	220	186	124	337	201	755	1,544	400	200	707	2,709	2,000	10,334	646
Mariposa	2,004	2,251	2,074	1,187	2,135	1,387	1,645	2,558	1,879	1,218	1,823	3,474	3,824	2,956	3,598	1,145	5,140	5,998	4,557	1,825	60,597	4,197
Ops	2,103	3,221	3,449	3,001	3,119	4,318	3,153	3,624	3,203	3,216	3,154	3,594	3,901	3,485	4,747	2,877	4,055	3,881	4,154	3,645	72,456	3,429
Somerville	684	268	1,596	618	645	571	989	524	496	775	654	605	726	845	1,305	356	1,234	1,029	705	1,483	19,441	1,651
Verulam	1,217	1,581	1,583	2,214	1,562	2,047	714	903	486	2,022	444	1,095	1,247	1,929	1,209	2,287	1,946	1,809	1,290	3,263	31,571	2,260
Totals	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	$309,083	25,162

WATERLOO.

Dumfries, North	735	732	1,257	1,886	880	924	1,197	502	986	2,648	1,078	1,146	1,347	1,492	1,132	6,140	6,388	1,825	1,911	986	35,181	2,880
Waterloo	2,760	3,835	2,864	3,184	6,304	2,956	3,110	5,206	1,607	13,223	1,500	5,083	4,079	5,645	3,102	3,150	3,860	6,119	4,987	3,508	93,738	7,108
Wellesley	3,272	3,927	4,222	4,806	4,222	4,014	1,433	2,787	3,409	1,810	1,725	3,644	5,911	2,620	4,983	3,958	4,998	5,552	5,604	3,924	83,924	6,297
Wilmot	3,878	3,779	3,495	3,591	3,754	2,995	2,584	2,966	2,733	2,883	1,490	3,091	3,661	2,345	3,411	3,571	2,153	3,139	3,756	3,882	73,739	6,447
Woolwich	1,843	3,552	2,335	2,072	1,881	2,980	1,524	1,596	1,617	1,899	7,478	3,202	11,551	3,682	1,851	18,377	12,612	2,922	3,623	3,145	97,898	4,355
Totals	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	$386,540	27,400

TOWNSHIP ROAD EXPENDITURE.—Continued.

WELLAND.

Name of Township.	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908	Total 20 Years.	Statute Labour, 1908
	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	Days.
Bertie	1,358	1,289	1,190	989	1,057	1,090	1,312	1,457	1,079	1,199	2,344	2,479	3,542	5,797	3,927	2,850	2,688	2,264	3,472	6,436	58,236	4,812
Crowland	279	322	286	240	405	685	726	321	382	376	569	652	813	615	1,029	907	993	1,109	191	1,666	12,368	2,469
Humberstone	455	614	1,234	352	545	736	540	702	652	962	1,216	1,102	1,110	989	1,511	1,244	1,167	1,794	2,859	3,411	22,495	4,810
Pelham	591	764	518	747	847	922	755	880	1,165	1,078	1,060	2,725	2,283	2,157	2,701	3,851	2,879	2,411	3,959	5,568	37,787	3,621
Stamford	655	879	535	646	758	990	1,127	1,679	1,162	639	1,879	1,990	2,043	3,164	2,612	3,551	5,375	3,920	8,370	3,872	41,946	7,013
Thorold	324	390	324	315	878	886	762	705	751	353	670	814	1,056	510	571	487	524	547	1,850	2,038	14,533	2,575
Wainfleet	972	1,866	1,388	1,251	1,374	1,397	794	1,120	820	852	989	1,065	994	776	1,042	1,094	1,069	1,437	4,052	2,161	30,341	3,932
Willoughby	247	242	377	243	979	607	175	466	427	509	659	441	492	563	2,484	1,064	868	987	2,225	724	14,095	1,212
Totals																					$235,802	30,444

WELLINGTON.

Arthur	606	660	1,583	1,597	1,579	1,869	1,869	1,316	1,412	1,736	1,764	1,788	1,769	1,882	2,128	1,843	3,732	4,031	2,928	3,692	39,764	3,388
Eramosa	1,575	2,100	1,709	1,726	1,969	2,278	2,157	1,943	1,846	1,694	1,463	1,558	1,680	2,388	2,955	1,993	2,251	3,559	1,615	3,416	41,875	2,407
Erin	1,117	1,171	1,503	1,484	1,718	2,074	1,749	1,746	1,451	1,669	1,238	1,512	1,851	1,694	1,944	2,033	1,584	2,197	1,975	1,485	33,195	3,815
Garafraxa, West	1,619	1,527	2,978	2,032	2,250	1,553	2,373	1,960	4,059	2,829	4,938	1,925	2,511	2,482	3,204	3,320	3,448	3,895	4,823	4,922	58,738	2,883
Guelph	1,690	1,524	1,391	1,584	1,641	1,908	1,572	1,710	1,885	1,671	2,263	1,765	1,713	2,032	2,644	45,56	3,290	4,427	4,514	3,529	47,309	
Luther, West	884	1,229	1,425	923	1,092	1,092	882	1,012	715	947	920	1,009	1,199	1,321	1,673	1,244	2,087	2,457	2,465	1,953	25,829	3,464
Maryborough	2,150	1,465	2,945	2,639	2,934	2,868	2,057	2,008	1,840	2,342	2,677	2,983	4,156	6,667	2,925	2,665	2,904	3,152	2,884	3,143	57,404	3,686
Minto	3,215	2,185	3,010	3,303	2,559	2,504	2,010	2,258	1,773	2,912	2,098	2,730	2,508	2,618	3,440	4,105	3,510	6,981	4,083	6,436	64,278	3,422
Nichol	525	417	815	432	776	1,476	646	766	938	1,160	917	745	710	553	878	688	1,281	1,450	1,550	1,632	18,355	1,950
Peel	1,528	2,352	2,257	1,836	4,149	4,313	2,700	2,202	2,524	2,396	3,357	2,005	3,130	3,759	4,331	7,671	3,815	5,800	4,060	4,060	68,245	4,470
Pilkington	1,024	1,439	1,544	927	962	1,339	1,225	1,120	905	1,390	1,468	1,269	924	1,236	2,068	1,391	991	2,296	2,049	2,168	27,835	1,592
Puslinch	2,313	1,621	1,527	2,320	1,433	1,650	1,004	1,619	1,480	1,800	1,474	1,377	1,710	1,311	2,777	935	897	4,930	3,036	3,255	38,469	3,767
Totals																					$521,296	34,784

TOWNSHIP ROAD EXPENDITURE.- Continued.

WENTWORTH

Name of Township.	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908	Total, 20 years.	Statute Labour, 1908
	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	Days.
Ancaster	8,556	4,559	3,679	3,136	4,035	4,543	2,543	4,822	3,119	5,089	6,381	6,077	6,064	4,965	4,091	4,125	4,052	3,580	2,224	1,282	86,803	3,510
Barton	891	1,108	911	582	845	2,478	1,845	2,026	1,777	2,478	3,065	2,496	2,476	2,016	2,696	3,304	3,226	3,245	5,844		45,925	8,104
Beverley	1,638	1,518	1,393	1,458	1,592	1,948	1,724	2,368	2,107	1,447	2,902	2,389	2,258	1,979	2,396	2,940	2,648	2,280	2,286	2,076	47,137	3,940
Binbrook	604	325	702	515	585	610	452	1,334	1,055	1,747	899	773	1,085	1,057	912	456	143	1,175	1,067	2,150	20,046	4,600
Flamborough, East	672	831	1,778	1,397	1,567	1,497	1,529	1,644	1,215	636	1,747	1,615	1,092	709	1,163	3,562	3,110	2,732	3,184	5,114	37,286	9,400
Flamborough, West	770	1,218	1,887	3,110	956	1,199	1,212	1,686	1,109	1,429	1,428	1,101	1,587	2,088	2,369	1,674	2,263	2,264	2,928	1,864	31,785	2,255
Glanford	362	235	188	922	854	904	190	575	474	660	904	284	687	373	512	101	429	464	1,060	1,102	11,269	1,517
Saltfleet	573	434	794	974	1,156	3,884	2,890	2,925	3,140	3,368	3,866	3,071	2,945	6,415	1,347	1,366	2,000	5,555	7,768	8,005	68,773	5,494
Totals																					$452,063	48,520

YORK.

Etobicoke	2,647	1,655	7,860	5,849	7,256	4,564	5,668	4,266	5,089	6,018	6,742	7,172	6,932	4,784	7,254	4,096	7,229	14,133	18,491	12,357	135,363	4,240
Georgina	709	986	372	583	446	703	467	278	782	937	744	1,050	1,025	639	1,063	1,125	1,536	1,458	1,548	1,100	18,065	4,000
Gwillimbury, East	2,069	2,276	1,018	1,690	1,740	2,234	1,922	1,965	1,418	1,575	1,882	2,204	2,248	2,255	2,004	1,968	2,418	2,065	2,865	3,167	34,183	4,000
Gwillimbury, North	795	562	226	541	458	492	495	450	436	386	446	464	448	521	486	468	440	1,206	1,140	1,231	13,119	2,780
King	8,263	8,517	5,718	6,106	6,111	6,287	5,551	4,988	5,636	5,881	5,963	4,692	5,624	4,488	4,306	6,065	12,476	4,169	6,946	8,120	128,117	4,951
Markham	2,222	2,917	1,692	3,219	2,981	3,982	4,058	2,852	2,443	1,001	1,682	1,850	1,442	3,931	8,509	11,664	8,960	4,429	8,102	8,211	100,202	4,867
Scarborough	1,374	1,312	3,106	2,942	3,355	1,492	3,814	2,146	3,228	4,223	5,336	4,941	3,948	4,564	4,284	4,885	5,715	6,030	6,493	7,249	90,508	
Vaughan	6,215	5,651	4,146	6,153	5,722	5,526	4,962	6,473	5,600	6,289	6,543	5,131	4,609	4,290	5,158	9,332	11,801	6,428	7,345	10,206	135,546	5,000
Whitchurch	1,215	1,112	1,458	1,773	1,062	1,257	951	1,802	1,550	1,168	2,314	1,641	1,898	1,065	1,860	1,420	2,242	2,881	1,478	2,856	26,924	4,004
York	21,504	22,586	28,092	29,665	41,636	22,669	24,357	14,160	15,219	16,954	20,814	20,276	17,823	24,374	25,115	28,818	41,125	15,780	28,124	31,695	604,933	18,420
Totals																					$1,344,233	59,387

SUMMARY OF EXPENDITURE IN TOWNSHIPS.

County.	Cash Expenditure 20 Years. 1889–1908.	Cash Expenditure Year 1908.	Statute Labour, 1908.
	$	$	Days.
Algoma	178,824	19,321	13,221
Brant	297,374	22,305	17,534
Bruce	646,984	38,277	42,563
Carleton	369,831	30,810	26,382
Dufferin	240,235	17,343	16,136
Dundas, Stormont and Glengarry	631,912	45,797	50,895
Elgin	773,952	52,729	25,370
Essex	594,906	38,609	32,180
Frontenac	197,933	18,460	20,520
Grey	721,886	47,415	32,256
Haldimand	177,636	14,477	18,373
Haliburton	59,632	5,026	3,426
Halton	263,502	18,046	9,753
Hastings	237,000	15,707	39,496
Huron	915,210	68,940	48,768
Kent	556,722	34,479	27,348
Lambton	829,159	49,990	37,209
Lanark	208,171	9,676	18,422
Leeds and Grenville	458,723	39,484	34,692
Lennox and Addington	220,696	12,889	17,717
Lincoln	260,942	48,830	12,048
Manitoulin	42,779	6,969	5,175
Middlesex	1,332,011	57,628	42,864
Muskoka	170,752	12,809	11,891
Nipissing	146,308	41,002	12,177
Norfolk	307,233	20,589	24,532
Northumberland and Durham	665,736	43,482	47,605
Ontario	561,861	36,112	29,314
Oxford	881,573	56,560	39,220
Parry Sound	88,733	9,473	15,472
Peel	314,522	26,803	15,448
Perth	808,394	48,467	20,509
Peterborough	245,919	18,255	17,551
Prescott and Russell	352,680	29,140	31,431
Prince Edward	70,444	6,492	19,205
Rainy River	66,978	17,488	8,579
Renfrew	218,185	16,579	18,684
Simcoe	649,442	41,972	39,415
Thunder Bay	131,540	22,722	3,289
Victoria	309,089	23,076	23,162
Waterloo	386,540	18,945	27,409
Welland	235,802	25,876	30,444
Wellington	521,296	38,991	34,784
Wentworth	352,063	28,004	28,520
York	1,314,233	107,167	50,987
Totals	19,015,343	1,403,311	1,141,976

Chestnut Park Road, Toronto.

Crescent Road, Rosedale, Toronto.

HON. J. O. REAUME

MINISTER PUBLIC WORKS, ONTARIO

JOHN ARMSTRONG

SECRETARY OF WAR, 1813-14

TENTH REPORT

OF

The Bureau of Labour

OF THE

PROVINCE OF ONTARIO

For the Year Ending December 31st

1909

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO

TORONTO
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1910

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To His Honour John Morison Gibson, K.C., LL.D., &c., &c., &c.,
Lieutenant-Governor of Ontario.

May it Please Your Honour:

The undersigned has the honour to present herewith for your consideration the Report of the Bureau of Labour of the Province of Ontario for the year 1909.

I have the honour to be,

Your Honour's most obedient servant,

J. O. REAUME,
Minister of Public Works.

To the Honourable J. O. Reaume,

Minister Public Works, Ontario:

Sir,—I have the honour of submitting to you herewith the Tenth Report of the Bureau of Labour.

I have the honour to be, Sir,

Your obedient servant,

JOHN ARMSTRONG,

Secretary.

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TENTH REPORT

OF THE

BUREAU OF LABOUR

1909

INTRODUCTION.

In presenting the Tenth Report of the Bureau of Labour of the Province of Ontario I am once more enabled to make the satisfactory statement that there has been a continued increase in the work of the Bureau and its consequent results.

The four Free Employment Bureaus established in Hamilton, London, Ottawa and Berlin have been even more successful in placing applicants for positions and supplying needed labour, the latest addition, Berlin, doing its full share in this respect. I may again suggest that greater local publicity would, no doubt, increase the usefulness of these branches. Their operations are shown in detail in the tables included in this report.

A greater number of the Municipal Clerks have filled up and returned the schedules asking for statistical and other information, there being 756 returns for 1908 as compared with 704 for 1907, 559 for 1906 and 227 for 1905. These include all the cities and incorporated villages, all but five of the towns, and a great majority of the organized townships. It must be said again that much unnecessary work was needed to obtain these results, many applications being necessary in some cases to secure a return of the schedules or more complete details. Some clerks seem to treat the questions asked in a trivial manner, unaware of the fact that the publication of their answers is of much benefit to their own localities and the Province at large as showing good openings for new industries and enterprises. Out of these 756 returns five do not give statistics, leaving 751 to be included in the tables continued from the two previous years. This tabulation presents a very satisfactory showing. It reports 14,626 new buildings erected in 1908 costing $31,611,934; expended on permanent improvements, such as bridges, roads, sidewalks, etc., $5,169,379, and on sanitation $1,330,127. Of these amounts the 19 cities report 8,798 new buildings costing $22,270,774; expenditure on permanent improvements $2,764,981, and on sanitation $979,374. The 117 towns reporting (five not doing so) give 2,441 new buildings costing $5,861,075; permanent improvements $705,083, and sanitation $272,327. The 135 incorporated villages, all of them reporting, give 589 new buildings costing $1,047,005; permanent improvements $210,864, and sanitation $17,957. The 480 townships, or groups of townships, reporting give 3,208 new buildings costing $3,440,480; permanent

improvements $1,607,151, and sanitation $68,169. There are 61 townships grouped with others which have reported, bringing the total number of townships to 541, and of municipalities to 812. A considerable number of additional townships have reported, but there still remain about 40 abstaining, and too many of those reporting do not give complete statistical information, which is also the case with a few of the towns and villages. The difficulty, some of the clerks still allege, in giving statistical and financial information indicates that their municipalities have not yet adopted a satisfactory system of bookkeeping. As usual the returns of the clerks are given in detail in my report, showing, among other valuable information, the new industrial establishments started in 1908 and the openings for other industries in the respective localities.

The new column added in last report to the municipal tables giving the public utilities owned and operated by the various municipalities, with their cost of value, is again adopted. The interesting and instructive information thus afforded is very satisfactory, showing that nearly thirty million dollars have been expended on these objects. Nineteen cities report a capital expenditure on public utilities of $18,611,048; 90 towns $9,289,483; 37 incorporated villages $834,133, and 4 townships $32,460. A second table classifies these public utilities as follows:—Waterworks, $22,959,336; electric lighting, $3,853,253; gas works, $427,052; street railways, $658,963; power plant, $636,646; telephone system, $208,874; miscellaneous, $23,000; total, $28,767,124. Several municipalities also report that they have public utilities under construction.

The returns by the Labour Organizations also show a gratifying increase, being 358 as compared with 320 for 1907, 271 for 1906 and 156 for 1905. There should, however, and no doubt will in the near future, be a still greater number of returns as the labour bodies are commencing to realize that it is to their interest that their full strength should receive official recognition in the annual report. Most of the secretaries reporting did so promptly, but some required repeated applications, and there is still a visible reticence on their part to give information which should not obtain in view of the willingness of the labour organizations in other countries where the value of publicity is recognized and appreciated. Some failures to send returns may be attributed to the frequent changes of officers; but this difficulty might and should be obviated by retiring secretaries advising postmasters to deliver their official correspondence to their successors.

The Manufacturers have also returned their schedules in increased numbers, there being 652 returns as compared with 592 for 1907, 427 for 1906, and 205 for 1905. Of these returns 42 were incomplete, leaving 610 establishments employing 39,156 persons to be tabulated, against 536 establishments employing 42,636 in 1907, 381 establishments employing 35,316 in 1906, and 153 employing 8,505 in 1905. The aggregate number of days in operation in these 610 establishments was 173,573 as compared with 154,905 in 1907, 113,434 in 1906, and 43,718 in 1905. The product was $95,479,586 as against $100,097,507 in 1907, $83,198,546 in 1906, and $18,473,139 in 1905. The wages were $16,681,496 as compared with

$19,123,227 in 1907, $15,869,337 in 1906, and $3,458,944 in 1905. The average wage rate per year was $443.99 and per day $1.58 as compared with $427.17 and $1.60 in 1907, $449.13 and $1.52 in 1906, and $406.69 and $1.48 in 1905. The average proportion of wages to product was 28.25 per cent. as compared with 25.34 per cent. in 1907, 19.06 per cent. in 1906, and 23.35 per cent. in 1905. In the following table, giving in condensed form the increases and decreases in product and in wages, it is shown that the average increase in product in certain industries was 3 per cent.; the average decrease in other industries was 5.92 per cent.: 28 establishments reported unspecified increases: 19 unspecified decreases, and 118 the same output as previously. The average increase in wages in certain industries was 4.18 per cent., the average decrease in other industries 1.02 per cent.: 31 establishments reported unspecified increases, 6 unspecified decreases, and 369 no change from previously. The decreases in output and wages in some industries, breaking the succession of continued increases previously, was of course, due to the world-wide depression in 1908, happily, however, less felt in Ontario and the rest of Canada than elsewhere.

The statement of increases of wages and lessening of the hours of labour being the record for 1909, shows the continuance of the upward movement after the depression, and the progress in bringing certain localities and industries up to the general level.

The condensed notices of labour legislation, trades disputes, legal decisions affecting labour, and other matters proper to the work of the Bureau of Labour are continued as usual.

The increase of the correspondence of the Bureau has been maintained. Of my ninth report 5,900 copies were sent out, including 261 mailed separately to persons on application. There were sent to the clerks of municipalities 1,150 schedules; to the secretaries of labour organizations 1,225 schedules and circulars, and to manufacturers, 2,450 schedules and circulars. There were also mailed 895 letters giving information sought, urging returns of schedules, or more complete details, and regarding other matters within the province of the Bureau.

Personal interviews also increased. These had reference principally to rates of wages and hours of labour in the various trades; fair wage clause in Government contract, labour and industrial statistics, laws relating to labour and like subjects. On two occasions the good offices of the Bureau were sought in disputes as to wages and hours of labour with mutual satisfaction. Many University students still visit the Bureau in quest of information bearing on economic subjects. Assistance on these lines has always been extended to them.

By the fire which occurred in the Parliament Buildings this office was very seriously affected. Fortunately all the original documents escaped destruction, but as the ceiling and roof were both burned away, the debris falling into the room, which was also flooded with water, much tabulating and other work was rendered useless and had to be replaced. From this cause the Bureau is somewhat later than usual in presenting the annual report.

MUNICIPAL STATISTICS.

Schedules and circulars were sent to all the Municipal Clerks in the Province asking them to report as to the industries started during 1908, the opening for other industries, the number and cost of new buildings, and the amounts expended on permanent improvements and on sanitation, including sewers. An additional enquiry was made last year, and continued this year, as to the public utilities owned and operated by the municipalities, with their cost or value, and very satisfactory information was obtained, 150 municipalities reporting that they had such works in operation, with a capitalization of $28,367,124. The clerks of all the cities, nearly all the towns, all the incorporated villages, and the great majority of the townships filled in and returned these schedules, to the number of 755, an increase of 50 over the previous year, and of 179 and 479 over 1906 and 1905, respectively. These reports are given in full.

The following cities, towns, villages and townships responded through their clerks to the above enquiries, 60 townships, grouped with others, being included, so as to make the total number 815 municipalities.

NOTE.—C. for City; Tn. for Town; V. for Village; Tp. for Township.

Aberdeen, Tp.
Abinger, Tp.
Acton, V.
Adelaide, Tp.
Admaston, Tp.
Adolphustown, Tp.
Ailsa Craig, V.
Albemarle, Tp.
Alberton, Tp.
Albion, Tp.
Aldborough, Tp.
Alexandria, Tn.
Alfred, Tp.
Algona S., Tp.
Alice & Fraser, Tps.
Alliston, Tn.
Alnwick, Tp.
Alvinston, V.
Amabel, Tp.
Amaranth, Tp.
Ameliasburgh, Tp.
Amherst Island, Tp.
Amherstburg, Tn.
Ancaster, Tp.
Anderdon, Tp.
Anglesea, Tp.
Anson and Hindon, Tps.
Anstruther, Tp.
Arkona, V.
Armour, Tp.
Arnprior, Tn.
Arran, Tp.
Artemesia, Tp.
Arthur, Tp.
Arthur, V.
Ashby, Tp.
Ashfield, Tp.
Assiginack, Tp.
Athens, V.
Athol, Tp.
Atwood, Tp.
Augusta, Tp.
Aurora, Tn.
Awenge, Tp.
Aylmer, Tn.
Ayr, V.
Bagot and Blythefield, Tps.
Bancroft, V.
Bangor, McClure and Wicklow, Tps.
Barrie, Tn.
Barrie, Tp.
Barton, Tp.
Bastard and Burgess S., Tps.
Bath, V.
Bathurst, Tp.
Bayfield, V.
Bayham, Tp.
Beamsville, V.
Beaverton, V.
Bedford, Tp.
Beeton, V.
Belle River, V.
Belleville, C.
Belmont & Methuen, Tps.
Bentwick, Tp.
Berlin, Tn.
Bertie, Tp.
Beverly, Tp.
Bexley, Tp.
Biddulph, Tp.
Billings, Tp.
Binbrook, Tp.
Blandford, Tp.
Blanshard, Tp.
Blenheim, Tn.
Blenheim, Tp.
Blezard, Tp.
Bloomfield, V.
Blue, Tp.
Blyth, V.
Blythefield, Tp.
Bobcaygeon, V.
Bolton, V.
Bonfield, Tn.
Bonfield, Tp.
Bosanquet, Tp.
Bothwell, Tn.
Bowmanville, Tn.
Bracebridge, Tn.
Bradford, Tn.
Brampton, Tn.
Brant, Tp.
Brantford, C.
Bridgeburg, V.
Bright, Tp.
Brighton, V.
Brighton, Tp.
Brock, Tp.
Brockville, Tn.
Bromley, Tp.
Brooke, Tp.
Brougham, Tp.
Bruce, Tp.
Bruce Mines, Tn.
Brudenell and Lynedoch, Tps.
Brunel, Tp.
Brussels, V.
Bruton, Tp.
Buchanan, Tp.
Bucke, Tp.
Burford, Tp.
Burgess N., Tp.
Burgess S., Tp.
Burk's Falls, V.
Burleigh and Anstruther, Tps.
Burlington, V.
Burns, Tp.
Burpee, Tp.
Cache Bay, Tn.
Caistor, Tp.
Caldwell, Tp.
Caledon, Tp.
Caledonia, Tp.
Caledonia, V.
Calvin, Tp.
Cambridge, Tp.
Camden, Tp.
Camden E., Tp.
Cameron, Tp.
Campbellford, Tn.
Canborough, Tp.
Cannington, V.
Canonto N., Tp.
Canonto S., Tp.
Caradoc, Tp.
Cardiff, Tp.
Cardinal, V.
Cardwell, Tp.
Carleton Place, Tn.
Carling, Tp.
Carlow, Tp.
Carnarvon, Tp.
Carrick, Tp.
Cartwright, Tp.
Cashel, Tp.
Casselman, V.
Cavan, Tp.
Cavendish, Tp.
Cayuga, V.

Cayuga N., Tp.
Cayuga S., Tp.
Chaffey, Tp.
Chandos, Tp.
Chapleau, Tp.
Chapman, Tp.
Chapple, Tp.
Charlottenburg, Tp
Charlotteville, Tp.
Chatham, C.
Chatsworth, V.
Chesley, Tn.
Chesterville, V.
Chinguacousy, Tp.
Chippawa, V.
Christie, Tp.
Clara, Tp.
Clarence, Tp.
Clarendon and Miller, Tps.
Clarke, Tp.
Clifford, V.
Clinton, Tn.
Clinton, Tp.
Clyde, Tp.
Cobalt, Tn.
Cobden, V.
Cobourg, Tn.
Cockburn Island, Tp.
Colborne, Tp.
Colborne, V.
Colchester N., Tp.
Colchester S., Tp.
Coldwater, V.
Coleman, Tp.
Collingwood, Tn.
Collingwood, Tp.
Copper Cliff, Tn.
Cornwall, Tn.
Cornwall, Tp.
Courtright, V.
Cramahe, Tp.
Creemore, V.
Crosby N., Tp.
Crosby S., Tp.
Crowland, Tp.
Crozier, Tp.
Culross, Tp.
Cumberland, Tp.
Dalhousie and N. Sherbrooke, Tps.
Darling, Tp.
Dawn, Tp.
Day and Bright, Tps.
Delaware, Tp.
Delhi, V.
Denbigh, Abinger & Ashby, Tps.
Denison, Tp.
Derby, Tp.
Dereham, Tp.
Deseronto, Tn.
Digby, Tp.
Dilke, Tp.
Dorchester N., Tp.
Dorchester S., Tp.
Douro, Tp.
Dover, Tp.
Downie, Tp.
Draper, Tp.
Drayton, V.
Dresden, Tn.
Drummond, Tp.
Drury, Denison and Graham, Tps.
Dudley, Tp.
Dumfries N., Tp.
Dumfries S., Tp.
Dummer, Tp.
Dundalk, V.
Dundas, Tn.
Dunn, Tp.
Dunnet, Tp.
Dunnville, Tn.
Dunwick, Tp.
Durham, Tn.
Dutton, V.
Dymond, Tp.
Dysart, &c., Tps.
Easthope, N., Tp.
Easthope, S., Tp.
Eastnor, Tp.
Effingham, Tp.
Eganville, V.
Egremont, Tp.
Ekfrid, Tp.
Elderslie, Tp.
Eldon, Tp.
Elizabethtown, Tp.
Ellice, Tp.
Elma, Tp.
Elmira, V.
Elmsley, N., Tp.
Elmsley, S., Tp.
Elora, V.
Embro, V.
Emily, Tp.
Emo, Tp.
Eramosa, Tp.
Enniskillen, Tp.
Ennismore, Tp.
Erin, Tp.
Erin, V.
Ernestown, Tp.
Escott Front, Tp.
Escott Rear, Tp.
Esquesing, Tp.
Essa, Tp.
Essex, Tn.
Etobicoke, Tp.
Euphemia, Tp.
Euphrasia, Tp.
Evanturel, Tp.
Exeter, V.
Eyre, Tp.
Faraday, Tp.
Fenelon, Tp.
Fenelon Falls, V.
Fergus, V.
Ferris, Tp.
Finch, Tp.
Finch, V.
Fitzroy, Tp.
Flamborough E., Tp.
Flamborough W., Tp.
Flos, Tp.
Foley, Tp.
Fort Erie, V.
Fort Frances, Tn.
Fort William, C.
Forest, Tn.
Fraser, Tp.
Fredericksburgh N., Tp.
Fredericksburgh S., Tp.
Fullarton, Tp.

Gainsboro, Tp.
Galt, Tn.
Galway and Cavendish, Tps.
Gananoque, Tn.
Garafraxa E., Tp.
Garafraxa W., Tp.
Garden Island, V.
Garson, Tp.
Georgetown, V.
Georgina, Tp.
Glamorgan, Tp.
Glanford, Tp.
Glencoe, V.
Glenelg, Tp.
Gloucester, Tp.
Goderich, Tn.
Gordon, Tp.
Gore Bay, Tn.
Gosfield N., Tp.
Gosfield S., Tp.
Gower N., Tp.
Gower S., Tp.
Graham, Tp.
Grand Valley, V.
Grantham, Tp.
Gravenhurst, Tn.
Greenock, Tp.
Grey, Tp.
Griffith and Matawatchan, Tps.
Grimsby, V.
Grimsby N., Tp.
Grimsby S., Tp.
Guelph, C.
Guelph, Tp.
Guilford, Tp.
Gwillimsbury E., Tp.
Gwillimsbury W., Tp.
Hagar, Tp.
Hagarty, Sherwood, Jones, &c., Tps.
Hagerman, Tp.
Hagersville, V.
Haileybury, Tn.
Haldimand, Tp.
Hallam, Tp.
Hallowell, Tp.
Hamilton, C.
Hamilton, Tp.
Hanmer, Tp.
Hanover, Tn.
Harburn, Tp.
Harcourt, Tp.
Harley, Tp.
Harriston, Tn.
Harvey, Tp.
Harwich, Tp.
Hastings, V.
Havelock, Tp.
Havelock, V.
Hawkesbury, Tn.
Hawkesbury E., Tp.
Hay, Tp.
Head, Maria and Clara, Tps.
Hensall, V.
Hepworth, V.
Hespeler, Tn.
Hibbert, Tp.
Hillier, Tp.
Hilton, Tp.
Himsworth N., Tp.
Himsworth S., Tp.
Hinchinbrooke, Tp.
Hindon, Tp.
Holland Landing, V.
Hope, Tp.
Horton, Tp.
Houghton, Tp.
Howe Island, Tp.
Howick, Tp.
Howland, Tp.
Hudson, Tp.
Hullett, Tp.
Humberstone, Tp.
Humphrey, Tp.
Hungerford, Tp.
Huntingdon, Tp.
Huntley, Tp.
Huntsville, Tn.
Huron, Tp.
Innisfil, Tp.
Iroquois, V.
Jocelyn, Tp.
Johnson, Tarbutt, &c., Tps.
Joly, Tp.
Jones, Tp.
Kaladar, Anglesea and Effingham, Tps.
Kearney, Tn.
Keewatin, Tn.
Kemptville, V.
Kennebec, Tp.
Kenora, Tn.
Keppel, Tp.
Kerns, Tp.
Kincardine, Tn.
Kincardine, Tp.
King, Tp.
Kingston, C.
Kingston, Tp.
Kingsville, Tn.
Kinloss, Tp.
Kitley, Tp.
Korah, Tp.
Laird, Tp.
Lakefield, V.
Lanark, Tp.
Lanark, V.
Lancaster, Tp.
Lancaster, V.
Lansdowne Front, Tp.
Lansdowne Rear, Tp.
Latchford, Tn.
Lavallee, Tp.
Lavant, Tp.
Lawrence, Tp.

Laxton, Digby and Longford, Tps.
Leamington, Tn.
Leeds and Lansdowne
Leeds and Lansdowne Rear, Tps.
Limerick, Tp.
Lindsay, Tn.
Lindsay, Tp.
Listowel, Tn.
Little Current, Tn.
Livingston, Tp.
Lobo, Tp.
Lochiel, Tp.
Logan, Tp.
London, C.
London, Tp.
Longford, Tp.
Longueuil, Tp.
L'Orignal, V.
Longueuil, Tp.
Louth, Tp.
Front, Tps.
Lucan, V.
Lucknow, V.
Luther E., Tp.
Luther W., Tp.
Lutterworth, Tp.
Lynedoch, Tp.
McClintock, Tp.
McClure, Tp.
McDonald, Tp.
McDougall, Tp.
McGillivray, Tp.
McKellar, Tp.
McKillop, Tp.
McIrvine, Tp.
McLean and Ridout, Tps
McMurrich, Tp.
McNab, Tp.
Macaulay, Tp.
Machar, Tp.
Madoc, Tp.
Madoc, V.
Maidstone, Tp.
Malahide, Tp.
Malden, Tp.
Manvers, Tp.
Mara, Tp.
Maria, Tp.
March, Tp.
Mariposa, Tp.
Markdale, V.
Markham, Tp.
Markham, V.
Marlborough, Tp.
Marmora, V.
Martland, Tp.
Maryborough, Tp.
Marysburg N., Tp.
Marysburg S., Tp.
Massey, Tn.
Matawatchan, Tp.
Matchedash, Tp.
Matilda, Tp.
Mattawa, Tn.
Mattawan, Tp.
Maxville, V.
Mayo, Tp.
Medonte, Tp.
Medora and Wood, Tps.
Melancthon, Tp.
Meredith, Tp.
Merrickville, V.
Merritton, V.
Mersea, Tp.
Metcalfe, Tp.
Methuen, Tp.
Midland, Tn.
Millbrook, V.
Miller, Tp.
Milton, Tn.
Milverton, V.
Minden, Tp.
Minto, Tp.
Mitchell, Tn.
Monaghan N., Tp.
Monaghan S., Tp.
Monck, Tp.
Monmouth, Tp.
Mono, Tp.
Montague, Tp.
Moore, Tp.
Morley, Tp.
Mornington, Tp.
Morris, Tp.
Morrisburgh, V.
Mosa, Tp.
Moulton, Tp.
Mount Forest, Tn.
Mountain, Tp.
Mulmur, Tp.
Murray, Tp.
Muskoka, Tp.
Nairn and Lorne, Tps.
Napanee, Tn.
Nassagaweya, Tp.
Neebing, Tp.
Neelon and Garson, Tps.
Nelson, Tp.
Nepean, Tp.
Neustadt, V.
New Hamburg, V.
New Liskeard, Tn.
Newboro, V.
Newburgh, V.
Newbury, V.
Newcastle, V.
Newmarket, Tn.
Niagara, Tn.
Niagara, Tp.
Niagara Falls, C.
Nichol, Tp.
Nightingale, Tp.
Nipissing, Tp.
Nissouri E., Tp.
Nissouri W., Tp.
Normanby, Tp.
North Bay, Tn.
Norwich, V.
Norwich N., Tp.
Norwich S., Tp.
Norwood, V.
Oakland, Tp.
Oakley, Tp.
Oakville, Tn.
O'Connor, Tp.
Oil Springs, V.
Olden, Tp.
Oliver, Tp.
Omemee, V.
Oneida, Tp.
Onondaga, Tp.
Ops, Tp.
Orangeville, Tn.
Orford, Tp.
Orillia, Tp.
Oro, Tp.
Osgoode, Tp.
Oshawa, Tn.
Osnabruck, Tp.
Oso, Tp.
Osprey, Tp.
Otonabee, Tp.
Ottawa, C.
Owen Sound, Tn.
Oxford, Tp.
Oxford E., Tp.
Oxford N., Tp.
Oxford S., Tp.
Paisley, V.
Pakenham, Tp.
Palmerston, Tn.
Palmerston and Canonto N. and S., Tps.
Papineau, Tp.
Paris, Tn.
Parke, Tp.
Parkhill, Tn.
Parry Sound, Tn.
Peel, Tp.
Pelee Island, Tp.
Pelham, Tp.
Pembroke, Tn.
Pembroke, Tp.
Penetanguishene, Tn.
Percy, Tp.
Perry, Tp.
Perth, Tn.
Peterborough, C.
Petewawa, Tp.
Petrolea, Tn.
Pickering, Tp.
Picton, Tn.
Pilkington, Tp.
Pittsburg, Tp.
Plantagenet N., Tp.
Plummer, Addl., Tp.
Plympton, Tp.
Point Edward, V.
Port Arthur, C.
Port Carling, V.
Port Colborne, V.
Port Dalhousie, V.
Port Dover, V.
Port Elgin, V.
Port Hope, Tn.
Port Perry, V.
Port Rowan, V.
Port Stanley, V.
Portland, Tp.
Portsmouth, V.
Powassan, Tn.
Prescott, Tn.
Preston, Tn.
Prince, Tp.
Proton, Tp.
Puslinch, Tp.
Radcliffe, Tp.
Raglan, Tp.
Rainham, Tp.
Rainy River, Tn.
Raleigh, Tp.
Rama, Tp.
Ramsay, Tp.
Ratter and Dunnet, Tps.
Rawdon, Tp.
Rayside, Tp.
Reach, Tp.
Renfrew, Tn.
Richards, Tp.
Richmond, Tp.
Richmond, V.
Richmond Hill, V.
Ridgetown, Tn.
Ridout, Tp.
Rochester, Tp.
Rockland, Tn.
Roddick, Tp.
Rodney, V.
Rolph, Buchanan and Wylie, Tps.
Romney, Tp.
Ross, Tp.
Roxborough, Tp.
Russell, Tp.
Ryde, Tp.
Ryerson, Tp.
St. Catharines, C.
St. Edmunds, Tp.
St. Joseph, Tp.
St. Mary's, Tn.
St. Thomas, C.
Saltfleet, Tp.
Sandwich, Tn.
Sandwich E., Tp.
Sandwich W., Tp.
Sarnia, Tn.
Sarnia, Tp.
Saugeen, Tp.
Sault Ste. Marie, Tn.
Scugog, Tp.
Seaforth, Tn.
Sebastopol, Tp.
Seneca, Tp.
Seymour, Tp.
Sheffield, Tp.
Shelburne, V.
Shelburne, Tp.
Sherbrooke, Tp.
Sherbrooke N., Tp.
Sherbrooke S., Tp.
Sherwood, Tp.
Sidney, Tp.
Simcoe, Tn.
Smith, Tp.
Smith's Falls, Tn.
Sombra, Tp.
Somerville, Tp.
Sophiasburg, Tp.
South River, V.

Southampton, Tn.
Southwold, Tp.
Springer, Tp.
Springfield, V.
Stafford, Tp.
Stanhope, Tp.
Stanley, Tp.
Stayner, Tn.
Steelton, Tn.
Stephen, Tp.
Stephenson, Tp.
Stirling, V.
Stisted, Tp.
Storrington, Tp.
Stouffville, V.
Stratford, C.
Strathroy, Tn.
Streetsville, V.
Strong, Tp.
Sturgeon Falls, Tn.
Sturgeon Point, V.
Sudbury, Tn.
Sullivan, Tp.
Sundridge, V.
Sunnidale, Tp.
Sutton, V.
Sydenham, Tp.
Tara, V.
Tarbutt and Tarbutt Addl., Tps.
Tarentorus and St. Mary's, Tps.
Tecumseth, Tp.
Teeswater, V.
Tehkummah, Tp.
Thedford, V.
Thessalon, Tn.
Thessalon, Tp.
Thompson, Tp.
Thorah, Tp.
Thornbury, Tn.
Thorold, Tn.
Thorold, Tp.
Thamesville, V.
Thurlow, Tp.
Tilbury, V.
Tilbury E., Tp.
Tilbury N., Tp.
Tilbury W., Tp.
Tillsonburg, Tn.
Tiny, Tp.
Tiverton, V.
Torbolton, Tp.
Toronto, C.
Toronto, Tp.
Toronto E., Tn.
Toronto Gore, Tp.
Toronto, North, Tn.
Toronto, West, C.
Tossorontio, Tp.
Tottenham, V.
Townsend, Tp.
Trafalgar, Tp.
Trenton, Tn.
Tuckersmith, Tp.
Tudor and Cashel, Tps.
Turnberry, Tp.
Tweed, V.
Usborne, Tp.
Uxbridge, Tn.
Uxbridge, Tp.
Van Horne, Tp.
Vankleek Hill, Tn.
Vaughan, Tp.
Verulam, Tp.
Vespra, Tp.
Vienna, V.
Wainfleet, Tp.
Walkerton, Tn.
Walkerville, Tn.
Wallace, Tp.
Wallaceburg, Tn.
Walpole, Tp.
Walsingham N., Tp.
Wardsville, V.
Warwick, Tp.
Waterdown, V.
Waterford, V.
Waterloo, Tn.
Waters, Tp.
Watford, V.
Watt, Tp.
Wawanosh E., Tp.
Wawanosh W., Tp.
Webbwood, Tn.
Welland, Tn.
Wellesley, Tp.
Wellington, V.
Westmeath, Tp.
West Lorne, V.
Westminster, Tp.
Weston, V.
Westport, V.
Whitby, Tn.
Whitby E., Tp.
Whitchurch, Tp.
Wiarton, Tn.
Wicklow, Tp.
Widdifield, Tp.
Williams E., Tp.
Willoughby, Tp.
Wilmot, Tp.
Winchester, Tp.
Winchester, V.
Windham, Tp.
Windsor, C.
Wingham, Tn.
Wolfe Island, Tp
Wolford, Tp.
Wollaston, Tp.
Wood, Tp.
Woodbridge, V.
Woodhouse, Tp.
Woodstock, C.
Woodville, V.
Woolwich, Tp.
Worthington & Blue, Tps.
Wroxeter, V.
Wylie, Tp.
Wyoming, V.
Yonge Front, Tp.
Yonge and Escott Rear, Tps.
York, Tp.
Zone, Tp.
Zorra E., Tp.
Zorra W., Tp.

Reports from Municipal Clerks.

ABERDEEN, Tp.—See McDonald, Meredith and Aberdeen Tps.

ABINGER, Tp.—See Denbigh, Abinger and Ashby Tps.

ACTON, V.—Owns and operates electric light plant: cost $8,000. Good openings for boot and shoe factory, harness factory, creamery and cheese factory. Number of buildings erected 10; cost about $12,000. No expenditure on permanent improvements or sanitation. A. J. McKinnon, Village Clerk, Acton.

ADELAIDE, Tp.—No new buildings erected. Amount expended on permanent improvements $2,900. H. J. Miller, Township Clerk, Adelaide P.O.

ADMASTON, Tp.—Good opening for cement works, with marl deposits at Cotton's Lake. Number of buildings erected 5; cost $7,000. Amount expended on permanent improvement $1,000. R. W. Brown, Township Clerk, Admaston Station, P. O.

ADOLPHUSTOWN, Tp.—Good opening for canning factory. Amount expended on permanent improvements $200. D. W. Roblin, Township Clerk, Dorland P. O.

AILSA CRAIG, V.—Good opening for brick and tile yard; plenty of good clay. One new building erected; cost $1,500. Amount expended on permanent improvements $998. E. B. Smith, Village Clerk, Ailsa Craig.

ALBEMARLE, Tp.—New sawmill started. Good openings for cheese factory and apple evaporator. Number of buildings erected 6; cost $7,200. Amount expended on permanent improvements $2,408, including $1,209 for statute labour. Ch. E. Whicher, Township Clerk, Colpoy's Bay.

Alberton, Tp.—Opening for sawmill for custom work. Amount expended on permanent improvements $3,100. Ch. Segsworth, Township Clerk, Fort Frances.

Albion, Tp.—Number of buildings erected 10; cost $10,000. Amount expended on permanent improvements $6,000. Amount expended on sanitation $50. S. J. McClelland, Township Clerk, Palgrave.

Aldborough, Tp.—Good opening for veneer factory. Amount expended on permanent improvements $5,000. E. A. Hugill, Township Clerk, Rodney P. O.

Alexandria, Tn.—Owns and operates waterworks anad electric light plant. Good opening for furniture factory and other industries, having good railway shipping facilities. Amount expended on permanent improvements $809. E. H. Tiffany, Town Clerk, Alexandria.

Alfred, Tp.—Number of buildings erected about 15; cost about $7,500. Amount expended on permanent improvements $2,000. Amount expended on sanitation $25. Jos. Brisebois, Township Clerk, Alfred.

Algona S., Tp.—Amount expended on permanent improvements $1,914, including Government grant. J. P. Nolan, Township Clerk, Castile P. O.

Alice and Fraser, Tps.—Good openings for cheese factories. Amount expended on permanent improvements $250. J. M. Kennedy, Township Clerk, Pembroke.

Alliston, Tn.—Owns and operates waterworks; value $19,000. Openings for almost any industry; good railway facilities. Number of buildings erected 12; cost $35,000. Amount expended on permanent improvements $3,526. Amount expended on sanitation $300. W. M. Lockhart, Town Clerk, Alliston.

Alnwick, Tp.—Good opening for cheese factory. Number of buildings erected 2; cost $1,000. Amount expended on permanent improvements $2,000. Amount expended on sanitation $25. Jas. Roberts, Township Clerk, Roseneath P. O.

Alvinston, V.—New evaporating factory started. Openings for almost any industry except canning factory; with two railroads and plenty of water. Number of buildings erected 6; cost $8,700. Amount expended on permanent improvements $200. Amount expended on sanitation $25. John Irving, Village Clerk, Alvinston.

Amabel, Tp.—Number of buildings erected about 12; cost $6,000. Amount expended on permanent improvements $2,834. R. H. Murray, Township Clerk, Allenford P. O.

Amaranth, Tp.—Number of buildings erected 6; cost $6,000. Amount expended on permanent improvements $7,800 for two steel bridges. E. Hamilton, Township Clerk, Laurel P. O.

Ameliasburg, Tp.—Good openings for barrel factory and canning factory. Many barns improved, cement floors added. Amount expended on permanent improvements $1,500. Amount expended on sanitation, expenses Board of Health, $168. F. C. File, Township Clerk, Ameliasburg.

Amherst Island, Tp.—No new buildings of any consequence. Amount expended on permanent improvements $738. W. H. Montray, Township Clerk, Stella P.O.

Amherstburg, Tn.—Owns and operates waterworks; value $40,000; street lighting system, value $10,000. Good opening for industries using lime, with valuable limestone quarries. Number of buildings erected about 17; cost about $35,000. Amount expended on permanent improvements $6,000. Amount expended on sanitation, including sewers, about $4,500. J. H. C. Leggatt, Town Clerk, Amherstburg.

Ancaster, Tp.—Good opening for evaporator and canning factory. No new buildings erected. Amount expended on permanent improvements $1,282. Amount expended on sanitation $184. Henry Pim, Township Clerk, Ancaster P. O.

Anderdon, Tp.—Good openings for various industries, with shipping facilities by rail and water. Amount expended on permanent improvements $1,000. A. C. Mailloux, Township Clerk, Gordon P. O.

Anglesea, Tp.—See Kaladar, Anglesea and Effingham Tps.

Anson and Hindon, Tps.—Good opening for factories to turn out light goods made from hardwood product, also for one or two good creameries. Number of buildings erected 5; cost about $4,000. Amount expended on permanent improvements about $200. T. H. Rogers, Township Clerk, Carnarvon P. O.

Anstruther, Tp.—See Burleigh and Anstruther Tps.

Arkona, V.—Good opening for canning factory or evaporator, the village being in the centre of a large fruit area with small fruits grown extensively. Number of buildings erected 3; cost $2,000. No expenditure on permanent improvements. Geo. N. Brown, Village Clerk, Arkona.

Armour, Tp.—Several water powers might be used for manufacture of wooden goods with wood plentiful, also opening for flour and grist mill. A few buildings erected, costing about $1,000. Amount expended on permanent improvements $1,286. J. N. Dodds, Township Clerk, Burk's Falls.

Arnprior, Tn.—Owns and operates waterworks; cost about $115,000. Good openings for machine shop and foundry, and for furniture factory. Number of buildings erected 13; cost $6,500. Amount expended on permanent improvements $13,828. Amount expended on sanitation $1,962. Trevor H. Grout, Town Clerk, Arnprior.

Arran, Tp.—Number of buildings erected about 10; cost about $8,000. Amount expended on permanent improvements about $2,000. H. G. Potts, Township Clerk, Dunblane.

Artemesia, Tp.—Sawmill started. Good openings for flour mill, furniture factory and foundry. Amount expended on permanent improvements $3,792. Amount expended on sanitation $66. W. J. Bellamy, Township Clerk, Flesherton P. O.

Arthur, Tp.—Good opening for cheese factory with building ready. Number of buildings erected about 12; cost about $10,000. Amount expended on permanent improvement about $2,000. Albert Hellyer, Township Clerk, Kenilworth, P. O.

Arthur, V.—Openings for industries of almost any character. Number of buildings erected 10; cost $15,000. Amount expended on permanent improvements $1,200. David T. Small, Village Clerk, Arthur.

Ashby, Tp.—See Denbigh, Abinger and Ashby Tps.

Ashfield, Tp.—Ontario West Shore Electric Railway in construction, 15 miles being through township. Good water powers fit for mills and factories if there were railway facilities. Some new farm houses and barns erected, besides many improvements. Amount expended on permanent improvements about $4,000. Thos. G. Allen, Township Clerk, Dungannon P. O.

Assiginack, Tp.—Good opening for sawmill with good water facilities and labour from Indian reserves. Number of buildings erected 4; cost $12,500, including $10,000 for mill boarding house, etc. Amount expended on permanent improvements $1,625. A. J. McLean, Township Clerk, Manitowaning.

Athens, V.—Number of buildings erected 5; cost $5,200. Amount expended on permanent improvements $8,575 for granolithic sidewalks. G. F. Donnelley, Village Clerk, Athens.

Athol, Tp.—Number of buildings erected 3; cost $2,600. Amount expended on permanent improvements $2,550. W. Moore, Township Clerk, Cherry Valley P. O.

Atwood, Tp.—Good opening for the manufacture of pulp or staves, with an abundance of poplar and spruce timber. No new buildings erected. Amount expended on permanent improvements $100. Hugh Carson, Township Clerk, Rainy River P. O.

Augusta, Tp.—A few houses erected or rebuilt. Amount expended on permanent improvements $8,000. John Mellafont, Township Clerk, Algonquin P. O.

Aurora, Tn.—Owns and operates waterworks; cost $27,000. Good openings for all kinds of industries. Number of buildings erected 9; cost $20,000. Amount expended on permanent improvements about $5,000. S. H. Lundy, Town Clerk, Aurora.

Awenge, Tp.—See Korah and Awenge Tps.

Aylmer, Tn.—Condensed milk factory started. Owns and operates waterworks, cost $95,000, and electric light plant cost $30,000. Good openings for shoe factory, sewer pipe and drain tile factory and cement factory. A good brick building for any kind of industry can be had cheap, and a good lot with a living stream of spring water. Number of buildings erected 32; cost $150,000. Amount expended on permanent improvements $1,860. Amount expended on sanitation $1,003. Junius Bradley, Town Clerk, Aylmer.

Ayr, V.—Openings for almost any kind of industry. No buildings of any account erected. Amount expended on permanent improvements about $500. A. J. Reid, Village Clerk, Ayr.

Bagot and Blythefield, Tps.—Graphite company started. Good openings for development of mines and minerals, for hardwood lumber mills and for pulp mill. Abundance of sulphur mineral ores in vicinity of Calabogie, also good developed iron mines, and some good shows of gold and cobalt. Number of buildings erected 2; cost about $1,000. Amount expended on permanent improvements $1,500. J. J. Dillon, Township Clerk, Calabogie P. O.

Bancroft, V.—Good openings for any wooden goods industries; good water power and plenty of timber in vicinity. No new buildings erected. Amount expended on permanent improvements $600. Geo. L. Jarman, Village Clerk, Bancroft.

Bangor, McClure and Wicklow, Tps.—Two lumber mills started. Good water power for woollen mill, roller flour mill, pulp mill or woodworking factory. Number of buildings erected 6; cost about $5,000. Amount expended on permanent improvements $600. Amount expended on sanitation $20. W. J. Bennett, Township Clerk, Maynooth.

Barrie, Tn.—Foundry and repair shop started. Owns and operates waterworks, cost $118,991, and electric light plant, cost $71,933. Good opening for foundry and for furniture, boot and shoe, woodenware and whitewear factories. Number of buildings erected 60; cost $130,000. Amount expended on permanent improvements $2,000. Amount expended on sanitation $100. Elijah Donnell, Town Clerk, Barrie.

Barrie, Tp.—No new buildings erected. Amount expended on permanent improvement $6,000. W. P. Maynard, Township Clerk, Cloyne P. O.

BARTON, Tp.—Good openings for almost any industry in northeastern part of township. A considerable number of residences erected. Amount expended on permanent improvements between two and three thousand dollars. Debentures for $34,000 for cement sidewalks being issued. Amount expended in sanitation $600. A. G. E. Bryant, Township Clerk, Mount Hamilton P. O.

BASTARD AND BURGESS S., Tps.—Number of buildings erected 7; cost $11,000. Amount expended on permanent improvements $6,967. Amount expended on sanitation $139 for Board of Health. W. J. Birch, Township Clerk, Delta P. O.

BATH, V.—Owns and operates street lamps, value $120. Good openings for any kind of industry. No new buildings erected. Amount expended on permanent improvements $300 for sidewalks. Max Robinson, Village Clerk, Bath.

BATHURST Tp.—Steam sawmill started. Vacant water powers on two different streams. Number of buildings erected 12; cost $10,000. Amount expended on permanent improvements $475, besides 1,800 days' statute labour. Amount expended on sanitation $50 for Board of Health. R. M. Anderson, Township Clerk, Manion P. O.

BAYFIELD, V.—Good openings for brick yard and flax mill. Amount expended on permanent improvements, roads $600, Government works piers $1,500, county repairs to abutments of new steel bridge $600. H. W. Erwin, Village Clerk, Bayfield.

BAYHAM, Tp.—Good opening for steel works at Port Burwell, also for canning factory, sash and door factory, brick and tile works and bakery at Straffordville; good railway and water shipping facilities from Port Burwell. Amount expended on permanent improvements $3,000. Benjamin Brian, Township Clerk, Straffordville.

BEAMSVILLE, V.—Owns and operates waterworks; cost about $20,000. Good opening for fruit basket factory, box factory, pickle factory and unfermented wine factory. Number of buildings erected 14; cost over $15,000. Amount expended on permanent improvements $5,000 on waterworks. H. V. Robins, Village Clerk, Beamsville.

BEAVERTON, V.—Openings for almost any kind of industry; good shipping facilities by two railroads and Trent Canal. Number of houses erected 7; cost $10,800. Amount expended on permanent improvements $2,617. Amount expended on sanitation $13. C. A. Paterson, Village Clerk, Beaverton.

BEDFORD, Tp.—Good opening for almost any small industry using steam; some new openings for mining. Number of buildings erected 6; cost about $7,000. Amount expended on permanent improvements $1,800, including statute labour. Amount expended on sanitation $4. Jas. McNeil, Township Clerk, Burridge P. O.

BEETON, V.—Owns and operates waterworks, value $25,000; lighting plant, value $6,000. Good openings for sash and door factory, and boot and shoe factory. Number of buildings erected 3; cost $5,000. Amount expended on permanent improvements $1,000. Joseph Wright, Village Clerk, Beeton.

BELLE RIVER, V.—Openings for industries, manufacturing products of agriculture; good railroad facilities and navigation. Number of buildings erected 6; cost $4,400. Amount expended on permanent improvements $1,260. S. Ducharme, Village Clerk, Belle River.

BELLEVILLE, C.—Owns and operates waterworks, cost $200,000; gas works, cost $90,000. Opening for practically any industry. Number of buildings erected about 50; cost about $150,000. Amount expended on permanent improvements $25,000.

Amount expended on sanitation $12,000 for isolation hospital. W. C. Mikel, City Clerk, Belleville.

Belmont and Methuen, Tps. No new buildings erected. Amount expended on permanent improvements about $2,000. W. H. Johnston, Township Clerk, Havelock P. O.

Bentinck, Tp.—Several good water powers, but no industrial centres. Number of buildings erected 3; cost about $3,000. Amount expended on permanent improvements $1,950. Amount expended on sanitation $113. Duncan Campbell, Township Clerk, Hanover.

Berlin, Tn.—Rubber factory started. Owns and operates waterworks, value $198,106; gas and electric plant $313,710; street railway $109,342. Good openings for industries of every character. Number of buildings erected about 35; cost between $150,000 and $200,000. Amount expended on permanent improvements $57,302. Amount expended on sanitation $10,217. A. H. Millar, Town Clerk, Berlin.

Bertie, Tp.—Good openings for industries of various kinds. Number of buildings erected 55; cost $91,500. Amount expended on permanent improvements $8,000. Amount expended on sanitation $120. M. S. Pound, Township Clerk, Ridgeway.

Beverly, Tp.—Number of buildings erected 8; cost $14,100. Amount expended on permanent improvements $2,677. Wm. Wood, Jr., Township Clerk, Rockton.

Bexley, Tp.—New tannery started. Good opening to start Portland cement works, now closed. Number of buildings erected 3; cost $2,100. Amount expended on permanent improvements $800. Alfred Taylor, Township Clerk, Victoria Road P. O.

Biddulph, Tp.—Good opening for land tile works. Few if any new buildings erected. Amount expended on permanent improvements $7,789. Amount expended on sanitation $31. W. D. Stanley, Township Clerk, Granton P. O.

Billings, Tp.—Good openings for woollen mill, cement plant and fish hatchery; excellent water power with head of 60 feet. No new building of any account erected. Amount expended on permanent improvements about $1,500. W. J. McKenzie, Township Clerk, Kagawong P. O.

Binbrook, Tp.—Number of buildings erected 6; cost $8,000. Amount expended on permanent improvements $1,500. W. B. Switzer, Township Clerk, Binbrook.

Blandford, Tp.—Number of buildings erected 13; cost $7,000. Amount expended on permanent improvements about $2,500. Amount expended on sanitation $28. J. R. Henderson, Township Clerk, Bright P. O.

Blanchard, Tp.—Amount expended on permanent improvements about $6,000. J. H. Jameson, Township Clerk, Rannoch P.O.

Blenheim, Tn.—Owns and operates electric light system; cost about $9,000. Number of buildings erected 2 or 3 private residences. Amount expended on permanent improvements $1,000 for cement sidewalks. Percy S. Shillington, Town Clerk, Blenheim.

Blenheim, Tp.—Number of buildings erected 8; cost $12,700. Amount expended on permanent improvements $5,518 for roads and bridges, $1,182 for sidewalks, etc. Amount expended on sanitation $48 for drainage, exclusive of debentures. Hugh Allan, Township Clerk, Richwood P.O.

Blezard, Tp.—Good opening for butter factory. Number of buildings erected 4; cost $2,200. Amount expended on permanent improvements $1,400. J. A. Lemieux, Township Clerk, Blezard Valley P. O.

Bloomfield, V.—Good opening for barrel factory. Number of buildings erected 2; cost about $2,400. Amount expended on permanent improvement $1,200. Ch. H. Saylor, Village Clerk, Bloomfield.

Blue, Tp.—See Worthington and Blue Tps.

Blyth, V.—Good opening for salt works with salt bed 90 feet thick, also for roller and handle factory, tannery, mitt factory and stove and general foundry. Number of buildings erected 3; cost about $5,500. Amount expended on permanent improvements $500. Amount expended on sanitation $100. A. Elder, Village Clerk, Blyth.

Blythefield, Tp.—See Bagot and Blythefield Tps.

Bobcaygeon, V.—Owns and operates electric light and power plant; value $25,000. Openings for any industries using wood. Number of buildings erected 6; cost $14,500, including private school $11,000. Amount expended on permanent improvements $900. Chas. E. Stewart, Village Clerk, Bobcaygeon.

Bolton, V.—Telephone company, public produce market and lumber yard started. Opening for steam laundry. Number of buildings erected 4; cost about $14,000. John McDonald, Village Clerk, Bolton.

Bonfield, Tn.—Good available water power and openings for flour mill, sash and door factory, sawmill and furniture factory. Number of houses erected 6; cost $14,700. Amount expended on permanent improvements $561. Amount expended on sanitation $75. John Moran, Town Clerk, Bonfield.

Bonfield, Tp.—Planing mill and lath mill started. Good openings for brick yard, furniture factory, pulp mill, stave mill and sash and door factory. Number of buildings erected 20; cost $10,000. Amount expended on permanent improvements $109. Amount expended on sanitation $8. M. R. Sunn, Township Clerk, Rutherglen P. O.

Bosanquet, Tp.—Number of buildings erected 12; cost $6,950. Amount expended on permanent improvements $3,350. Geo. Sutherland, Township Clerk, Thedford.

Bothwell, Tn.—Owns and operates waterworks, cost $4,500, electric light plant cost $6,000. Good openings for canning factory and cheese factory. Number of buildings erected 3; cost $2,500. Amount expended on permanent improvements about $500. W. H. Bradley, Town Clerk, Bothwell.

Bowmanville, Tn.—Good openings for any kind of industry. One building erected; cost $2,500. Amount expended on permanent improvements $2,500. John Lyle, Town Clerk, Bowmanville.

Bracebridge, Tn.—Owns and operates power and light; cost $60,000; and water plant, cost $40,000. Good openings for woodenware factories, upper leather tannery, boot and shoe factory, tent awning and horse blanket factory. Number of buildings erected 3; cost $1,000. Amount expended on permanent improvements $6,000. A. C. Salmon, Town Clerk, Bracebridge.

Bradford, Tn.—Good openings for almost any kind of industry. Number of buildings erected 6; value $10,000. Amount expended on permanent improvements about $1,500. Robt. Stewart, Town Clerk, Bradford.

Brampton, Tn.—Lumber business started. Owns and operates waterworks; cost $100,000. Number of buildings erected 20; cost about $40,000. Amount expended on permanent improvements $15,000 for cement sidewalks. Amount expended on sanitation $50,000 for sewers. T. J. Blain, Town Clerk, Brampton.

BRANT, Tp.—Good opening for cheese factories. Number of buildings erected 8; cost $13,100. Amount expended on permanent improvements $340. J. H. Cannon, Township Clerk, Chesley P. O.

BRANTFORD, C.—Paving material factory, emery wheel factory and brush factory started. Owns and operates waterworks; value $115,000. Good openings for the manufacture of fabrics, and other industries requiring female help, also for a brass foundry and a plant to manufacture gas pipe and allied lines; many factory sites, cheap power and exceptional inducements. Number of buildings erected 286; cost $250,000. Amount expended on permanent improvements $108,031. Amount expended on sanitation $36,995. H. F. Leonard, City Clerk, Brantford.

BRIDGEBURG, V.—Owns and operates waterworks; value $18,893. Good openings for any description of industry. Number of buildings erected 20; cost about $50,000. Amount expended on permanent improvements $1,000. H. Emrick, Village Clerk, Bridgeburg.

BRIGHT, Tp.—See Day and Bright Tps.

BRIGHTON, Tp.—Number of buildings erected about 5; cost about $10,000. Amount expended on permanent improvements $15,000. Amount expended on sanitation $60. Fred O. Wade, Township Clerk, Brighton.

BRIGHTON, V.—Good opening for stave mill, and for any industry using soft coal. Number of buildings erected [illegible] $10,000. Amount expended on permanent improvements $1,600. Amount expended on sanitation $25. H. Lockwood, Village Clerk, Brighton.

BROCK, Tp.—Openings for almost any kind of industry. Number of buildings erected 10; cost about $15,000. Amount expended on permanent improvements $8,085, including $3,691 statute labour. Amount expended on sanitation $150. Frank Doble, Township Clerk, Sunderland.

BROCKVILLE, Tn.—Owns and operates waterworks, cost $230,000; gas and electric light plant, $175,000. Openings for any kind of industry. Number of buildings erected 31; cost $111,650. Amount expended on permanent improvements $6,700 for sidewalks. Amount expended on sanitation $907. Geo. K. Dewey, Town Clerk, Brockville.

BROMLEY, Tp.—Good opening for brick and tile works. One building erected, cost about $1,500. Amount expended on permanent improvements about $700. Jas. D. Walsh, Township Clerk, Osceola P. O.

BROOKE, Tp.—Good opening for another cheese factory in S. E. part of township. Number of buildings erected about 12; cost about $8,000. Amount expended on permanent improvements $10,602. Amount expended on sanitation $30 for Board of Health. W. G. Willoughby, Township Clerk, Walnut P. O.

BROUGHAM, Tp.—Good openings for mining. Amount expended on permanent improvements about $75. Michael Sheedy, Township Clerk, Mount St. Patrick.

BRUCE, Tp.—Good opening for summer resort. Number of buildings erected about 7; cost about $4,200. Amount spent on permanent improvements $3,278. J. G. Mackay, Township Clerk, Underwood P. O.

BRUCE MINES, Tn.—Good openings for sawmill and pulp mill. No new buildings erected. Amount expended on permanent improvements $570. Thos. Sullivan, Town Clerk, Bruce Mines.

BRUDENELL AND LYNDOCH, Tps.—No new buildings erected. Amount expended by Government on permanent improvements about $800, and by municipality about $42. W. J. Whelan, Township Clerk, Brudenell P. O.

BRUNEL, Tp.—Good opening for wood manufacturing. Number of buildings erected 2; cost $1,000. Amount expended on permanent improvements $5[illegible] H. Farnsworth, Township Clerk, Huntsville.

BRUSSELS, V.—Good opening for machine shop. No new buildings erected. Amount expended on permanent improvements $405. F. S. Scott, Village Clerk, Brussels.

BRUTON, Tp.—See Dysart, etc., Tps.

BUCHANAN, Tp.—See Rolph, Buchanan and Wylie Tps.

BUCKE, Tp.—Good opening for woollen mill. Number of buildings erected 3; cost $3,000. Amount expended on permanent improvements $1,000. H. McQuarrie, Township Clerk, Haileybury.

BURFORD, Tp.—Good opening for chopping mill at Kelvin, and for factory for small woodenware at Burford. Number of buildings erected 12; cost about $25,000. Amount expended on permanent improvements $5,500, besides 4.7 miles of roadwork. Amount expended on sanitation $35 for Medical Health Officer. Philip Kelly, Township Clerk, New Durham P. O.

BURGESS N., Tp.—One house was erected; cost $1,800. Amount expended on permanent improvements $150. R. T. Noonan, Township Clerk, Micaville.

BURGESS S., Tp.—See Bastard and Burgess S. Tps.

BURK'S FALLS, V.—Owns and operates waterworks; cost about $37,000. Specially good opening for grist and flour mill, also for furniture factory. Number of buildings erected 14; cost at least $40,000. Amount expended on permanent improvements $500. John Duke, Village Clerk, Burk's Falls.

BURLEIGH AND ANSTRUTHER, Tps.—Good openings for shoemaker and waggon maker. Amount expended on permanent improvements $1,025. Alex. Bell, M.D. Township Clerk, Apsley.

BURLINGTON, V.—Number of buildings erected about 10; cost about $15,000. Amount expended on permanent improvements $4,963. O. T. Springer, Village Clerk, Burlington.

BURNS, Tp.—See Hagarty, etc., Tps.

BURPEE, Tp.—Good openings for sawmill and shingle mill. One new building erected; cost about $800. Amount expended on permanent improvements about $600. Sam. Wright, Township Clerk, Evansville.

CACHE BAY, Tn.—Number of buildings erected 5; cost about $2,400. Amount expended on sanitation $20. Fred Schroeder, Town Clerk, Cache Bay.

CAISTOR, Tp.—Number of buildings erected 12; cost $12,000. Amount expended on permanent improvements $1,800. Albert Shields, Township Clerk, Caistorville.

CALDWELL, Tp.—Number of buildings erected 12; cost $6,000. Amount expended on permanent improvements $2,000. Ed. Beaudoin, Township Clerk, Verner P. O.

CALEDON, Tp.—Improved water of 50 h. p., suitable for shoe factory or other manufacturing. No new buildings erected. Amount expended on permanent improvements about $2,700. J. L. Meek, Township Clerk, Alton.

CALEDONIA, Tp.—Good opening for peat works. Amount expended on permanent improvements $1,204. R. L. Downing, Township Clerk, Bouthier, P.O.

CALEDONIA, V.—Good openings for foundry and for planing mill; an abundant supply of natural gas. Number of buildings erected 4; cost about $5,000. Amount expended on permanent improvements about $10,000. Amount expended on sanitation about $800. Thos. Hassard, Village Clerk, Caledonia.

CALVIN, Tp.—Good opening for cheese factory. Number of buildings erected 2; cost about $1,200. Amount expended on permanent improvements, statute labour and steel bridge $2,400, built by Provincial Government. D. Adams, Township Clerk, Galston P. O.

CAMDEN, Tp.—Good opening for tile yard. Number of buildings erected about 10; cost about $10,000. Amount expended on permanent improvements $1,540. M. S. Blackburn, Township Clerk, Dresden.

CAMDEN E., Tp.—Number of buildings erected 5; cost about $7,000. Amount expended on permanent improvements $2,782. T. E. McGill, Township Clerk, Centreville.

CAMERON, Tp.—Good opening for pulp mills, with excellent water power. S. J. McMeekin, Township Clerk, Mattawa.

CAMPBELLFORD, Tn.—Bridge works started. Owns and operates waterworks, value $40,000; electric light plant, value $200,000. Good openings for carriage factory, agricultural implements factory, furniture factory, canning works, twine factory, or any industry requiring large blocks of power. Number of buildings erected 40; cost $60,000. E. C. West, Town Clerk, Campbellford.

CANBOROUGH, Tp.—Saw and planing mill started. Good openings for stave mill and box factory. Number of buildings erected 10; cost $11,300. Amount expended on permanent improvements $1,600. Donald McCallum, Township Clerk, Canboro P. O.

CANNINGTON, V.—Good opening for flax mill and other industries. No new buildings erected. Amount expended on permanent improvements $1,000. W. A. Robinson, Village Clerk, Cannington.

CANONTO N., Tp.—See Palmerston, Canonto N. and S. Tps.

CANONTO S., Tp.—See Palmerston, Canonto N. and S. Tps.

CARADOC, Tp.—Good openings for factories for carriages, farm implements or wheelbarrows and other industries at Mt. Brydges; excellent railway facilities, being central shipping point for the west; plenty of good water; good local supply of water and excellent soil. Number of buildings erected about 20; cost about $30,000. Amount expended on permanent improvements $5,000. C. H. Lockwood, Township Clerk, Mt. Brydges P. O.

CARDEW, Tp.—Good opening for hardwood working factories. No new buildings erected. Amount expended $816, including $700 by Ontario Government on bridge. Alfred G. Tate, Township Clerk, Highland Grove P. O.

CARDINAL, V.—Number of buildings erected 2; cost $2,000. Amount expended on permanent improvements $727. W. Kavanagh, Village Clerk, Cardinal.

CARDWELL, Tp.—Number of buildings erected 5; cost about $1,000. Amount expended on permanent improvements $250. M. Wilson, Township Clerk, Rosseau P. O.

CARLETON PLACE, Tn.—Good opening for any kind of industry. Amount expended on permanent improvements about $4,000. A. R. G. Peden, Town Clerk, Carleton Place.

CARLING, Tp.—Number of buildings erected 2; cost $1,000. Jas. Crerar, Township Clerk, Shebeshekong P. O.

CARLOW, Tp.—Good openings for mining, iron and corundum. Number of buildings erected 5; cost $1,850. Amount expended on permanent improvements $400. J. E. Greaves, Township Clerk, Fort Stewart P. O.

CARNARVON, Tp.—No new buildings erected. Amount expended on permanent improvements $1,467. Wm. Vincer, Township Clerk, Mindemoya.

CARRICK, Tp.—Openings for any kind of industry. Number of buildings erected 22; cost $38,000. Amount expended on permanent improvements $600. Amount expended on sanitation $75. J. A. Johnston, Township Clerk, Mildmay P. O.

CARTWRIGHT, Tp.—Number of buildings erected 9; cost $9,700. Amount expended on permanent improvements $1,033. Amount expended on sanitation $17. Wm. Beacock, Township Clerk, Cæsarea P. O.

CASHEL.—See Tudor and Cashel Tps.

CASSELMAN, V.—Sash and door and tongue and groove planing factory started. Good openings for industries with electric plant. Number of buildings erected 5; cost about $8,000. Amount expended on permanent improvements $550. Amount expended on sanitation $108. Napoleon Quesnaville, Village Clerk, Casselman.

CAVAN, Tp.—Amount expended on permanent improvements $5,214. John J. Fair, Township Clerk, Millbrook.

CAVENDISH, Tp.—See Galway and Cavendish Tps.

CAYUGA, V.—Openings for various industries, with natural gas power; glass factory built but not operated and gypsum beds unopened. Amount expended on permanent improvements $800. J. W. Sheppard, Village Clerk, Cayuga.

CAYUGA N., Tp.—Good opening for cheese factory and for creamery. Number of buildings erected 4; cost about $3,000. Amount expended on permanent improvements $275. W. A. McFarlane, Township Clerk, Cayuga.

CAYUGA S., Tp.—Number of buildings erected 2; cost about $1,500. Amount expended on permanent improvements about $300. Jas. W. Caughell, Township Clerk, South Cayuga P. O.

CHAFFEY, Tp.—Openings for various industries, good water power and plenty of timber. Number of buildings erected 12; cost about $9,000. Amount expended on permanent improvements $3,000. Hugh Taylor, Township Clerk, Huntsville.

CHANDOS, Tp.—Good openings for mining with good water power; also for cheese boxes and apple barrel stock. No new buildings erected. Amount expended on permanent improvements about $1,400. Anson Andrus, Township Clerk, Coe Hill.

CHAPLEAU, Tp.—Waterworks are being installed at an estimated cost of $31,000. Number of buildings erected 12; cost $26,000, including C. P. R. Station $10,000. Amount expended on permanent improvements $550. W. H. Farrell, Township Clerk, Chapleau.

CHAPMAN, Tp.—Good openings for woodworking industries; first rate water power. Number of buildings erected 5; cost about $2,700. Amount expended on permanent improvements $300. Harry O. Snuggs, Township Clerk, Magnetawan P. O.

CHAPPLE, Tp.—Good openings for flour mill and lath and shingle mill. Amount expended on permanent improvements $1,500. Everett Kernahan, Township Clerk, Barwick P. O.

CHARLOTTENBURGH, Tp.—Amount expended on permanent improvements $4,715. G. H. Macgillivray, Township Clerk, Macgillivray Bridge P. O.

CHARLOTTEVILLE, Tp.—Good opening for evaporator, being a good fruit section; also for other industries. No new buildings, only repairs. Amount expended on permanent improvements $800. R. W. McCall, Township Clerk, Vittoria P. O.

CHATHAM, C.—Owns and operates waterworks, cost $200,000; electric light plant, cost $18,000. Good openings for pork packing, sugar beet factory, flax mill and farm implement factory. Number of buildings erected 41; cost $63,642.

Amount expended on permanent improvements $75,511. Amount expended on sanitation $1,185. W. G. Merritt, City Clerk, Chatham.

Chatsworth, V.—One building erected; cost $1,500. Amount expended on permanent improvements $1,000. Amount expended on sanitation $8. W. G. Reilly, Village Clerk, Chatsworth.

Chesley, Tn.—Factory for church and lodge furniture and school seats started. Owns and operates waterworks; cost $38,000. Good openings for boot and shoe factory, whitewear factory and knitted goods factory. Number of buildings erected 10; cost about $20,000. Amount expended on permanent improvements $800. Amount expended on sanitation $50. Wm. McDonald, Town Clerk, Chesley.

Chesterville, V.—Condensed milk and cream factory started. Good opening for door and sash factory. Number of buildings erected 5; cost $35,000, including Methodist church, costing $28,000. Amount expended on permanent improvements $1,700. Amount expended on sanitation $29. C. W. Casselman, Village Clerk, Chesterville.

Chinguacousy, Tp.—Some barns erected. Amount expended on permanent improvements about $5,000. Robt. Kee, Township Clerk, Cheltenham P. O.

Chippawa, V.—Smelter for treating gold, silver, copper and lead started. Owns 10 arc lamps; value of plant $1,000. Good openings for all kinds of industries requiring electric power, being only a mile and a half from three large power plants developing 200,000 h.p. Number of buildings erected 3, cost about $3,500. Amount expended on permanent improvements about $600. Ch. Weinbrenner, Village Clerk, Chippawa.

Christie, Tp.—Good opening for woodworking industries. One building erected; cost $800. Amount expended on permanent improvements about $1,500. Jas. Buchner, Township Clerk, Orrville P. O.

Clara, Tp.—See Head, Maria and Clara Tps.

Clarence, Tp.—Good opening for brickyard, also for sash and door factory. No building of importance erected. Amount expended on permanent improvements $2,194. Jos. Menard, Township Clerk, The Brook P. O.

Clarendon and Miller, Tps.—One building erected; cost $400. Amount expended on permanent improvements $95. J. F. Card, Township Clerk, Plevna P. O.

Clarke, Tp.—A number of buildings erected; cost about $9,000. Amount expended on permanent improvements $2,808. Amount expended on sanitation $34. John Rickaby, Township Clerk, Orono P. O.

Clifford, V.—Owns and operates acetylene gas lighting; cost $2,800. Good openings for planing mill and other industries. Number of buildings erected 7; cost about $15,500. Amount expended on permanent improvements about $2,500. J. R. Aitchison, Village Clerk, Clifford.

Clinton, Tn.—Waterworks now being installed at estimated cost of $53,000. Good openings for iron foundry or implement works; plant owned by town available. Number of buildings erected 4; cost $12,000. Amount expended on permanent improvements $3,394. D. L. Macpherson, Town Clerk, Clinton.

Clinton, Tp.—Good opening for basket factory. Number of buildings erected about 20; cost about $5,000. Amount expended on permanent improvements $7,000. Amount expended on sanitation $60. G. W. Tinlin, Township Clerk, Beamsville.

Clyde, Tp.—See Dysart, etc., Tps.

COBALT, TN.—Good opening for smelters. Number of buildings erected 200; cost $200,000. Amount expended on permanent improvements $10,423. Amount expended on sanitation $227. H. E. Sewell, Town Clerk, Cobalt.

COBDEN, V.—Good opening for brick and tile yard and for repair shop for farm machinery. Number of buildings erected 5; cost about $3,900. Amount expended on permanent improvements about $300. J. R. Warren, Village Clerk, Cobden.

COBOURG, TN.—Steel plant started. Excellent opening for almost any kind of manufacturing, with good water and railway transportation; fine harbour and ferry across lake. Number of buildings erected 15; cost $167,500 including $150,000 for Provincial Steel Plant. Amount expended on permanent improvements $600. Amount expended on sanitation $750. D. H. Minaker, Town Clerk, Cobourg.

COCKBURN ISLAND, TP.—No buildings erected, but temporary lumber camps. Amount expended on permanent improvements $300 cash, municipal and [illegible] funds, and 336 days' statute labour at $1 per day. A. Monck, Township Clerk, Cockburn Island.

COLBORNE, TP.—Good openings for woodworking industries, blacksmithing, implement agent and general store. No new buildings erected. Amount expended on permanent improvements $2,000. F. D. McDonagh, Township Clerk, Carlow P. O.

COLBORNE, V.—Number of buildings erected 4; cost $8,030. Amount expended on permanent improvements $2,210. Geo. Keyes, Village Clerk, Colborne.

COLCHESTER N., TP.—Good opening for brick and tile yard. Number of buildings erected about 6; cost about $6,000. Amount expended on permanent improvements $10,500, including about $6,500 for township drains. A. C. Atkinson, Township Clerk, Gesto P. O.

COLCHESTER S., TP.—Good opening for fruit canning factory. Amount expended on permanent improvements $2,100. Amount expended on sanitation $50. J. H. Madill, Township Clerk, Harrow P. O.

COLEMAN, TP.—Hydraulic power company started; electric road under construction; good opening for foundry. Amount expended on permanent improvements $35,500. P. J. Hart, Township Clerk, Cobalt.

COLDWATER, V.—Good opening for foundry and machine shop. Number of buildings erected 13; cost $40,000. Amount expended on permanent improvements $200. Amount expended on sanitation $500. J. R. Russell, Village Clerk, Coldwater.

COLLINGWOOD, TN.—Owns and operates waterworks; cost $101,498, and electric lighting plant, street and commercial, $51,753. Good opening for woodworking industries. Number of buildings erected 46; cost as by permits $70,075. Amount expended on permanent improvements about $6,000. Sewerage system under construction. J. H. Duncan, Town Clerk, Collingwood.

COLLINGWOOD, TP.—Good opening for any industry requiring water power. Edw. Rorke, Township Clerk, Clarksburg P. O.

COPPER CLIFF, TN.—Number of buildings erected 4; cost about $8,000. Amount expended on permanent improvements $1,181. Amount expended on sanitation $318. Thos. Stoddart, Town Clerk, Copper Cliff.

CORNWALL, TN.—Owns and operates waterworks; value $139,747. Good openings for industries of almost any kind, plenty of power and excellent shipping facilities by rail and water. Amount expended on permanent improvements $5,614. Amount expended on sanitation $3,460. Geo. S. Jarvis, Town Clerk, Cornwall.

Cornwall, Tp.—Opening for cement works. Number of buildings erected 30; cost $31,000. Amount expended on permanent improvement $7,000. Amount expended on sanitation $350. John Mullin, Township Clerk, Cornwall Centre.

Courtright, V.—Good openings for industries, with good sites and excellent shipping facilities by rail and water. No new buildings erected. Amount expended on permanent improvements $526. R. G. Stewart, Village Clerk, Courtright.

Cramahe, Tp.—Amount expended on permanent improvements $2,402. Amount expended on sanitation $15. C. A. Wilson, Township Clerk, Castleton.

Creemore, V.—Owns and operates waterworks; cost $22,000. No new buildings erected. Amount expended on permanent improvements $100. Amount expended on sanitation $7. A. H. Watson, Village Clerk, Creemore.

Crosby N., Tp.—Good opening for malleable iron works at Westport, with complete outfit ready for starting. Number of buildings erected 3; cost $3,000. Amount expended on permanent improvements $1,162. Wm. McKnight, Township Clerk, Westport.

Crosby S., Tp.—Amount expended on permanent improvements $2,022. J. R. Dargavel, Township Clerk, Elgin.

Crowland, Tp.—Iron pipe factory under construction. Good openings for industries requiring electric power. Number of buildings erected 3; cost $10,000. Amount expended on permanent improvements $1,600. H. L. Pratt, Township Clerk, Crowland.

Crozier, Tp.—See Alberton and Crozier Tps.

Culross, Tp.—A few farm houses and barns built and repaired. Amount expended on permanent improvements over $2,000, besides statute labour. Amount expended on sanitation $700. Ch. Button, Township Clerk, Teeswater P. O.

Cumberland, Tp.—Sawmill and grist mill started. Number of buildings erected 23; cost $6,000. Amount expended on permanent improvements $5,300 W. W. Dunning, Township Clerk, Cumberland.

Dalhousie and Sherbrooke N., Tps.—New sawmill started. Good opening for industries using hardwood; two good water powers, suitable for electric power, one with 85 ft. head. Number of farm buildings erected about 10; probable cost from $1,500 to $2,000. Amount expended on permanent improvements about $1,000. Walter Geddes, Township Clerk, Dalhousie Lake P. O.

Darling, Tp. Good openings for mining; prospecting for serpentine marble. No new buildings of any account. Amount expended on permanent improvements $200. Jas. H. Rintoul, Township Clerk, Tatlock.

Dawn, Tp. Amount expended on permanent improvements $1,200. J. M. Webster, Township Clerk, Rutherford.

Day and Bright, Tps.—Number of buildings erected 3; cost $1,000. Ch. Cavanagh, Township Clerk, Sowerby.

Delaware, Tp. Cement block factory, evaporating works and windmill factory started. Number of buildings erected 5; cost $5,000. Amount expended on permanent improvements $3,000. Amount expended on sanitation $40. J. H. Matthews, Township Clerk, Delaware.

Delhi, V. Openings for industries of every character. Number of buildings erected 4; cost $1,500. Amount expended on permanent improvements $673. Roger Crysler, Village Clerk, Delhi.

Denbigh, Abinger and Ashby, Tps.—Good opening for cheese factory and for shoemaker. Number of buildings erected 7; cost about $2,600. Amount

expended on permanent improvements $692. Paul Stein, Township Clerk, Denbigh P. O.

Denison, Tp.—See Drury, Denison and Graham Tps.

Derby, Tp.—Number of buildings erected 12; cost $14,000. Amount expended on permanent improvements $4,581. Amount expended on sanitation $178. Wm. Beaton, Township Clerk, Owen Sound.

Dereham, Tp.—Opening for brick and tile works. Amount expended on permanent improvements $8,550, and 5,952 days' statute labour. Alex. Bell, Township Clerk, Verschoyle P. O.

Deseronto, Tn.—Iron works and furniture factory started. Owns and operates waterworks; cost $35,000; pumping station and gas lighting $50,000; fire protection $3,000. Good openings for any manufacturing industry. One building erected; cost $900. Amount expended on permanent improvements $1,252. Amount expended on sanitation $924. H. R. Bedford, Town Clerk, Deseronto.

Digby, Tp.—See Laxton, Digby and Longford Tps.

Dilke, Tp.—Good opening for brickyard, with part of machinery at hand. Number of buildings erected 3; cost $1,200. Amount expended on permanent improvements $1,050. A. A. Miniely, Township Clerk, Pinewood.

Dorchester N., Tp.—Good opening for canning factory. Amount expended on permanent improvements about $3,000. W. B. Lane, Township Clerk, Dorchester Station.

Dorchester S., Tp.—Good opening for furniture factory at Belmont. Amount expended on permanent improvements $5,500. D. Taylor, Township Clerk, Belmont P. O.

Douro, Tp.—Number of buildings erected 4; cost $4,400, including $2,000 for school house. Amount expended on permanent improvements $1,500. John J. Allen, Township Clerk, Douro.

Downie, Tp.—Number of buildings erected 7; cost about $15,000. Amount expended on permanent improvement $9,500. Amount expended on sanitation $355. P. Smith, Township Clerk, Stratford.

Draper, Tp.—Electric power may be developed. Amount expended on permanent improvements $1,283. D. Cairns, Township Clerk, Bracebridge.

Drayton, V.—Good openings for brickyard and flax mill. Number of buildings erected 3; cost $2,100. Amount expended on permanent improvements $3,764. Amount expended on sanitation $200. A. C. Woodman, Village Clerk, Drayton.

Dresden, Tn.—Owns and operates electric light plant; value $10,500. Openings for almost any industry. Number of buildings erected 2; cost $3,000. Amount expended on sanitation $235. Arthur Smith, Town Clerk, Dresden.

Drummond, Tp.—Fine water power on Mississippi River for sawmill, grist mill, etc. Amount expended on permanent improvements $12,000. Amount expended for sanitation $30. Thos. B. Moore, Township Clerk, Perth.

Drury, Denison and Graham, Tps.—Number of buildings erected 3; cost $3,500. Amount expended on permanent improvements, $1,850. Amount expended on sanitation, $559. R. B. Colloton, Victoria Mines P. O.

Dudley, Tp.—See Dysart, etc., Tps.

Dumfries N., Tp.—Number of buildings erected, 7; cost, $7,000. Amount expended on permanent improvements, $1,000. Jos Wrigley, Township Clerk, Ayr P.O.

DUMFRIES S., Tp.—Good opening for flour mill. Number of buildings erected, 8; cost about $13,200. Amount expended on permanent improvements, $3,611. Wm. Fleming, Township Clerk, Glenmorris, P.O.

DUMMER, Tp.—Steam sawmill and shingle and planing mill started. Would be good opening for industries if we had railway facilities. Number of buildings erected 4; cost about $3,200. Amount expended on permanent improvements about $1,200. Rich. Deen, Township Clerk, Warsaw.

DUNDAS, Tn.—Glove factory started. Owns and operates waterworks; cost $59,999. Good openings for industries of almost any character; excellent freight facilities, electric power, natural gas, and plenty of sites. Number of buildings erected, 30; estimated cost $50,750. Amount expended on permanent improvements $8,510. Amount expended on sanitation $912. J. S. Fry, Town Clerk, Dundas.

DUNDALK, V.—Owns and operates electric light plant; cost $6,000. Good opening for furniture factory. Number of buildings erected, 3; cost, $7,000. Amount expended on sanitation $2,700 for sewers. M. W. Ridley, Village Clerk, Dundalk.

DUNN, Tp.—Good openings for brick works and lime kilns. Number of buildings erected 6; cost $3,000. Amount expended on permanent improvements $500. Amount expended on sanitation $8. David Lyons, Township Clerk, Byng P.O.

DUNNET, Tp.—See Ratter and Dunnet Tps.

DUNNVILLE, Tn.—Owns and operates waterworks; cost $30,000. Good openings for industries, with liberal dealing by municipality. Number of buildings erected 13; cost $52,000. Amount expended on permanent improvements $3,500. J. W. Holmes, Town Clerk, Dunnville.

DUNWICH, Tp.—Amount expended on permanent improvements about $2,800. D. A. McNabb, Township Clerk, Dutton.

DURHAM, Tn.—Good opening for sash and door factory. Number of buildings erected 3; cost about $6,000. Amount expended on permanent improvements $6,100. Wm. B. Vollet, Town Clerk, Durham.

DUTTON, V.—Good openings for basket factory and canning factory. Number of buildings erected 4; cost about $2,000. Amount expended on permanent improvements, $2,100. J. D. Blue, Village Clerk, Dutton.

DYMOND, Tp.—Number of buildings erected, 4; cost $3,400. Amount expended on permanent improvements $3,523. E. F. Stephenson, Township Clerk, New Liskeard.

DYSART, etc., Tps.—Chemical plant started. Good openings for saw, lath and shingle mills, chemical works and summer resort accommodation. Number of buildings erected 30; cost $18,000. Amount expended on permanent improvements $3,024. G. H. Potts, Township Clerk, Haliburton.

EASTHOPE N., Tp.—Number of buildings erected about 10; cost about $10,000. Amount expended on permanent improvements about $1,000. J. D. Fisher, Township Clerk, Amulree.

EASTHOPE S., Tp.—Shoe factory started. Good openings for any kind of industry using wood, leather, etc. Number of buildings erected, 2; cost $4,300. Amount expended on permanent improvements $2,607. V. Stock, Township Clerk, Tavistock.

EASTNOR, Tp.—Good opening for cheese factory or creamery. Number of buildings erected about 6; estimated value $10,000. Amount expended on per-

manent improvements $920. Amount expended on sanitation $5. Jas. H. Miers, Township Clerk, Lion's Head P.O.

Effingham, Tp.—See Kaladar, Anglesea and Effingham, Tps.

Eganville, V.—Good opening for industries with water power available. One building erected; cost $6,000. Amount expended on permanent improvements $2,253. Amount expended on sanitation $169. I. R. Campbell, Village Clerk, Eganville.

Egremont, Tp.—Handle factory started. Amount expended on permanent improvements $5,796. David Allan, Township Clerk, Holstein P.O.

Ekfrid, Tp.—Openings for various industries. Number of buildings erected 14; cost $20,000. Amount expended on permanent improvements $5,700. A. P. McDougald, Township Clerk, Melbourne P.O.

Elderslie, Tp.—Number of buildings erected 4; cost about $5,000. Amount expended on permanent improvements $4,500. Amount expended on sanitation $25. J. C. McIntyre, Township Clerk, Paisley P.O.

Eldon, Tp.—A quantity of peat bog available for fuel, etc. Amount expended on permanent improvements about $2,000, besides over 3,000 days' statute labour. B. Stacey, Township Clerk, Lorneville P.O.

Elizabethtown, Tp.—Good opening for concrete works, large quantities of tile being used for drainage and drawn from a distance. Amount expended on permanent improvements $4,345. Amount expended on sanitation $267, on account of smallpox. J. B. Berry, Township Clerk, New Dublin P.O.

Ellice, Tp.—Portable sawmill started. Good openings for harness factory and shoe shop. Number of buildings erected 17; cost $20,000, and 5 silos cost $1,000. Amount expended on permanent improvements $6,000. Justus Kreuter, Township Clerk, Rostock P.O.

Elma, Tp.—Number of buildings erected 11; cost about $15,500. Amount expended on permanent improvements $13,000, including $8,000 for municipal drainage. Geo. Lochhead, Township Clerk, Atwood P.O.

Elmira, V.—Owns and operates waterworks; cost $25,000. Openings for industries of every character. Number of buildings erected 20; cost $30,000. Amount expended on permanent improvements $1,900. J. H. Ruppel, Village Clerk, Elmira.

Elmsley N., Tp.—No new buildings of consequence, but renovating old ones. Amount expended on permanent improvements $2,500. W. M. Spalding, Township Clerk, Perth.

Elmsley S., Tp.—Opening for bakery; no new buildings erected. Amount expended on permanent improvements $1,363. John Robb, Township Clerk, Lombardy P.O.

Elora, V.—Good opening for woodworking industry, with factory lying idle. Number of buildings erected 3; cost about $5,000. Amount expended on permanent improvements, $400. Henry Clarke, Village Clerk, Elora.

Embro, V.—Good openings for repair shop, woodworking industry, file factory, laundry and dentist. One building erected; cost $2,000. Amount expended on permanent improvements $2,500. E. J. Cody, Village Clerk, Embro.

Emily, Tp.—A number of buildings erected; value $86,770. Amount expended on permanent improvements $2,132. R. J. Kennedy, Township Clerk, Omemee.

Emo, Tp.—Sawmill, shoe shop, hardware stores, etc., started. Openings for printing office, butcher shop and various other industries. One building erected;

cost $3,000. Amount expended on permanent improvements $4,125. B. L. Phillips, Township Clerk, Emo.

Enniskillen, Tp.—Good openings for cheese factory, canning factory, and local telephone system. Amount expended on permanent improvements $3,000. Amount expended on sanitation $84. Geo. V. Wyant, Township Clerk, Petrolea.

Ennismore, Tp.—Harness shop started. Good opening for shoe shop. Number of buildings erected 8; cost about $4,800. Amount expended on permanent improvements, about $400. J. Moloney, Township Clerk, Ennismore P. O.

Eramosa, Tp.—Number of buildings erected about 20; cost about $50,000. Amount expended on permanent improvements, about $6,000. W. M. Head, Township Clerk, Guelph.

Erin, Tp.—Amount expended on permanent improvements $1,199. Thos. Young, Township Clerk, Erin P. O.

Erin, V.—No buildings erected. Amount expended on permanent improvements about $1,000. Wm. Conboy, Village Clerk, Erin.

Ernesttown, Tp.—Number of buildings erected 5; cost $4,500. Amount expended on permanent improvements about $3,000. E. O. Clark, Township Clerk, Odessa.

Escott Front, Tp.—Number of buildings erected 4; cost about $7,000. F. T. Hutchinson, Township Clerk, Escott P. O.

Escott Rear, Tp.—See Yonge and Escott Rear Tps.

Esquesing, Tp.—Good openings for cheese factory, creamery, evaporator, or canning factory. Amount expended on permanent improvements $12,000. J. H. Tracy, Township Clerk, Esquesing P. O.

Essa, Tp.—Amount expended on permanent improvements $2,000. Amount expended on sanitation $85. J. Coxworth, Township Clerk, Ivy P. O.

Essex, Tn.—Owns and operates waterworks; cost, $33,000. Good opening for iron works of any kind; steam and electric railway compete. Number of buildings erected 9; cost $26,900. Amount expended on permanent improvements $1,146. Amount expended on sanitation $351. Geo. S. Wightman, Town Clerk, Essex.

Etobicoke, Tp.—Leather dressing and patent leather factory started. Good opening for brass rolling foundry. Amount expended on permanent improvements $10,000. J. A. L. Macpherson, Township Clerk, Islington P. O.

Euphemia, Tp.—Number of buildings erected 3; cost $3,900. Amount expended on permanent improvements $1,000. D. M. Smith, Township Clerk, Cairo P. O.

Euphrasia, Tp.—Amount expended on permanent improvements, $3,000. N. L. Curry, Township Clerk, Rocklyn P. O.

Evanturel, Tp.—Good openings for sawmills, stove factories and pulp mills. Number of buildings erected 3; cost about $900. Amount expended on permanent improvements $2,500; two-thirds of this paid by Department of Public Works. P. T. Broome, Township Clerk, Heaslip.

Exeter, V.—A new sawmill was started. Good openings for any small manufacturing. Owns and operates pumping for street watering and partial fire protection; cost $2,000; waterworks being now enlarged at cost of $22,000. Number of buildings erected 6; cost $8,700. Amount expended on permanent improvements $1,855. Amount expended on sanitation $250. Joseph Senior, Village Clerk, Exeter.

Eyre, Tp.—See Dysart, etc., Tps.

FARADAY, Tp.—Number of buildings erected 5; cost $4,130. Amount expended on permanent improvements $500. Walter Wiggins, Township Clerk, Bancroft.

FENELON, Tp.—Amount expended on permanent improvements $1,800. J. B. Powles, Township Clerk, Powles' Corners P. O.

FENELON FALLS, V.—Boat factory started. Owns and operates electric light plant; cost $67,500. Good openings for any industries requiring electric power. Number of buildings erected 4; cost about $8,000. Amount expended on permanent improvements $1,500. W. T. Junkin, Village Clerk, Fenelon Falls.

FERGUS, V.—Good openings for foundry, furniture factory, evaporating plant, etc. Number of buildings erected 4; cost $5,000. Amount expended on permanent improvements $1,600. Wm. Ross, Village Clerk, Fergus.

FERRIS, Tp.—No new buildings erected. Amount expended on permanent improvements $1,257. M. Nelan, Township Clerk, Corbeil P. O.

FINCH, Tp.—Good openings for industries connected with agriculture. Amount expended on permanent improvements about $2,000. Jas. R. Simpson, Township Clerk, Finch.

FINCH, V.—Number of buildings erected 3; cost $24,000, including church, costing $12,000. Amount expended on permanent improvements $5,303, for sidewalks. Jas. R. Simpson, Village Clerk, Finch.

FITZROY, Tp.—Good opening for flour mill; woollen mill can be operated by electric power. Number of buildings erected about 25; cost about $37,000, including $35,000 on Electric Power and Milling Co., at Galetta. Amount spent on permanent improvements about $3,800. A. Murphy, Township Clerk, Antrim.

FLAMBOROUGH E., Tp.—Good opening for canning factory; electric railway proposed. Amount expended on permanent improvements $5,115. Amount expended on sanitation $124. Jas. A. Walker, Township Clerk, Waterdown P. O.

FLAMBOROUGH W. Tp.—Amount expended on permanent improvements about $1,200 or $1,500. Ira N. Binkley, Township Clerk, Greenville.

FLOS, Tp.—Good openings for flax mill and canning factory; also for cement works, with suitable marl at hand. Amount expended on permanent improvements about $300. C. S. Burton, Township Clerk, Elmvale P. O.

FOLEY, Tp.—New sawmill started. Good opening for wood alcohol factory, tannery, or sawing hardwood for furniture. Number of buildings erected 4; cost $3,500. Amount expended on permanent improvements $450. Amount expended on sanitation $10. Andrew Oastler, Township Clerk, James Bay Junction P. O.

FORT ERIE, V.—Planing mill and lumber yard started. Owns and operates electric light plant; cost $4,000. Good opening for various industries, furniture, dry goods store, etc. Number of buildings erected 16; cost $25,000. Amount expended on permanent improvements about $4,000. B. F. Matthews, Village Clerk, Fort Erie.

FORT FRANCES, Tn.—Owns and operates waterworks; cost $55,000. Good openings for woodworking factories, paper mills, implement factories, and flour mills; there is approximately 15,000 horse-power available, at $14 per horse-power. Number of buildings erected 12; cost $20,000. Amount expended on permanent improvements $5,000. Amount expended on sanitation $5,000, for sewers. W. H. Elliott, Town Clerk, Fort Frances.

FORT WILLIAM, City.—Iron works and stove factory, greatly enlarged; two new elevators in construction. Owns and operates waterworks; cost $566,300;

electric light system; cost $150,000. Telephone plant; cost $103,000. Street Railway cost $52,000. Good openings for furniture factory, boat building, biscuit factory, implement factory, car works, wire works, and other industries using iron; there is also an excellent opportunity for market gardeners. Number of buildings erected 743; cost $1,552,535. Amount expended on permanent improvements $10,496. Amount expended on sanitation $96,356. A. McNaughton, City Clerk, Fort William.

Forest, Tp.—Brass works started. Good openings for canning factory, pickle factory and salt works. Number of buildings erected 3; cost $7,000. Amount expended on permanent improvements $400. Amount expended on sanitation $50. Rich. Karr, Town Clerk, Forest.

Fraser, Tp.—See Alice and Fraser Tps.

Fredericksburgh N., Tp.—Good opening for grist mill. Number of buildings erected 2; cost $2,000. Amount expended on permanent improvements $270. Amount expended on sanitation $69. J. M. Joyce, Township Clerk, Napanee.

Fredericksburgh S., Tp.—Number of buildings erected 2; cost about $2,500. Amount expended on permanent improvements $645. W. H. Rikely, Township Clerk, Hayburn P. O.

Fullarton, Tp. Good opening for radial railway. Amount expended on permanent improvements $5,518. Amount expended on sanitation $36. John Wilson, Township Clerk, Fullarton.

Gainsboro, Tp.—New creamery started. Number of buildings erected 11; cost about $10,000. Amount expended on permanent improvements $1,052. Sam. Kennedy, Township Clerk, St. Ann's.

Galt, Tn.—Nail factory and heading factory started. Owns and operates waterworks; cost $188,000. Good opening for iron and steel industries. Number of buildings erected about 100; cost about $200,000. Amount expended on permanent improvements $11,000. Amount expended on sanitation $18,000. Joseph McCartney, Town Clerk, Galt.

Galway and Cavendish, Tps.—No new buildings erected. Amount expended on permanent improvements $500, grant from Ontario Government. Amount expended on sanitation $50. Patrick Collins, Township Clerk, Mount Irwin P. O.

Gananoque, Tn.—Owns and operates waterworks; cost about $250,000. Good opening for almost any kind of industry, with good hydro-electric power and lighting; large stone factory available. Number of buildings erected 10; cost $20,000. Amount expended on permanent improvements $8,000. S. McCammon, Town Clerk, Gananoque.

Garafraxa E., Tp.—Amount expended on permanent improvements about $3,000, besides statute labour. Amount expended on sanitation $40. John Preston, Township Clerk, Marsville P. O.

Garafraxa W., Tp.—Number of buildings erected 5; cost $7,500. Amount expended on permanent improvements $4,972. Amount expended on sanitation $37. Thos. Goodall, Township Clerk, Belwood P. O.

Garden Island, V.—No new buildings erected. Amount expended on permanent improvements $132. Thos. Lappen, Village Clerk, Garden Island.

Garson, Tp.—See Neelon and Garson, Tps.

Georgetown, V.—Yarn and knitted goods factory, chopping mill and lumber yard started. Owns and operates waterworks; cost $42,000. Good opening for various manufacturing industries. Addition to stove factory and six dwellings erected; cost about $8,000. Amount expended on permanent improvements $2,250. H. W. Kennedy, Village Clerk, Georgetown.

GEORGINA, Tp.—Good openings for manufacturing, with excellent water power at Pefferlaw, a C. N. R. station. Number of buildings erected 5; cost about $4,000. Amount expended on permanent improvements $1,000. Donald Ego, Township Clerk, Virginia P. O.

GLAMORGAN, Tp.—Opening for various industries, with several good water powers. Number of buildings erected 2; cost about $700. Amount expended on permanent improvements about $100. S. S. Hadley, Township Clerk, Goderham P. O.

GLANFORD, Tp.—Amount expended on permanent improvements $1,260. Amount expended on sanitation $33. Dan. Reed, Township Clerk, Glanford.

GLENCOE, V.—Knitting factory started. Number of buildings erected 2; cost $6,000. Amount expended on permanent improvements $1,800. Amount expended on sanitation $67. Geo. Wilson, Village Clerk, Glencoe.

GLENELG, Tp.—Good opening for boring for oil. Number of buildings erected 4 or 5; cost about $1,000 each. Amount expended on permanent improvements $2,184, besides statute labour. J. S. Black, Township Clerk, Pomona P. O.

GLOUCESTER, Tp.—Powder magazine established. Good openings for vitrified brick, stone quarries, mineral water wells, etc. Amount expended on permanent improvements $8,500, including $2,500 for sidewalks in Rockliffe Police Village. H. B. Billings, Township Clerk, Billings' Bridge.

GODERICH, Tn.—Owns and operates electric light plant and waterworks system; cost $128,140. Good openings for canning factory and grist mill; good shipping facilities by rail and water. Number of buildings erected about 27; cost about $40,500. Amount expended on permanent improvements $10,988. Amount expended on sanitation $1,638, for sewers. L. L. Knox, Town Clerk, Goderich.

GORDON, Tp.—Good opening for creamery or cheese factory. No new buildings of importance erected. Amount expended on permanent improvements $1,466. Milton J. Nelles, Township Clerk, Gore Bay.

GORE BAY, Tn.—Good opening for sawmill. Number of buildings erected 6; cost $10,000. Amount expended on permanent improvements $1,600. John W. Kinney, Town Clerk, Gore Bay.

GOSFIELD N., Tp.—Market for hogs and grain started at Cottam. Owns and operates telephone system; cost $4,860; 110 telephones, central at Cottam, long distance connection with Bell Co. at town of Essex. Good openings for canning factory and pickle factory. Number of buildings erected 15; cost $20,400. Amount expended on permanent improvements $15,308, including redemption of drainage debentures $10,032. Amount expended on sanitation $560, through smallpox epidemic. Isaac Jackson, Township Clerk, Cottam P. O.

GOSFIELD S. Tp.—Number of buildings erected about 4; cost about $2,000. Amount expended on permanent improvements about $2,000. G. W. Coatsworth, Township Clerk, Kingsville.

GOWER N., Tp.—Number of buildings erected about 10; cost about $10,000. Amount expended on permanent improvements about $500. Jas. E. Craig, Township Clerk, North Gower P. O.

GOWER S., Tp.—No new buildings erected. Amount expended on permanent improvements $677. Amount expended on sanitation $25. Elijah Pelton, Township Clerk, South Gower P. O.

GRAHAM, Tp.—See Drury, Denison and Graham Tps.

GRAND VALLEY, V.—Good opening for industry with Council ready to give assistance. Number of buildings erected 3; cost about $7,500. W. McIntyre, Village Clerk, Grand Valley.

GRANTHAM, Tp.—Amount expended on permanent improvements $17,783. L. S. Bessey, Township Clerk, St. Catharines.

GRAVENHURST, Tn.—Factory for building launches and small boats started. Owns and operates electric light and power plant; cost $85,000. Good openings for factories for furniture or woodenware of any description. Number of buildings erected 12; cost $10,500. W. H. Cross, Town Clerk, Gravenhurst.

GREENOCK, Tp.—Good openings for industries, with water power that might be developed. Amount expended on permanent improvements $2,840. Thos. H. Purdy, Township Clerk, Narva.

GREY, Tp.—Good openings for works for making cement tile or field tile. Number of buildings erected 3; cost about $5,000. Amount expended on permanent improvements $5,307. Amount expended on sanitation $63. John McIntosh, Township Clerk, Ethel P. O.

GRIFFITH AND MATAWATCHAN, Tps.—Good opening for one or two cheese factories. Number of buildings erected 5; cost about $1,400. Amount expended on permanent improvements $27, by municipality; $200 by Province. Edward Godin, Township Clerk, Griffith P. O.

GRIMSBY, V.—Planing mill started. Owns and operates waterworks; cost $47,000. Good openings for various industries, site available adjoining G. T. R. station. Number of buildings erected 9; cost $15,000. Amount expended on permanent improvements $9,800. Jas. Brodie, Village Clerk, Grimsby.

GRIMSBY N., Tp.—Good opening for jam factory. Amount expended on permanent improvements $3,500. John Kerman, Township Clerk, Grimsby.

GRIMSBY S., Tp.—Number of buildings erected 4; cost $1,650. Amount expended on permanent improvements $1,185. F. W. Roberts, Township Clerk, Smithville P. O.

GUELPH, C.—Factory for potato machinery started. Owns and operates waterworks, value $273,245; electric light plant, value $89,333; gas plant, value $180,856; street railway value $111,554. Owns Guelph Junction Railway, operated by C. P. R. Openings for almost any kind of industry. Number of buildings erected about 25; cost about $85,000. Amount expended on permanent improvements $88,774. Amount expended on sanitation $15,250. T. J. Moore, City Clerk, Guelph.

GUELPH, Tp.—Amount expended on permanent improvements $3,519. Jas. Laidlaw, Township Clerk, Guelph.

GUILFORD, Tp.—See Dysart, etc., Tps.

GWILLIMBURY E., Tp.—Number of buildings erected 10 to 12; cost $8,000 to $10,000. Only repairs on roads, etc. Amount expended on sanitation $158. A. J. Hughes, Township Clerk, Sharon P. O.

GWILLIMBURY N., Tp.—Some farm houses and barns erected; cost about $6,000. Amount expended on permanent improvements $1,241. Henry Sennett, Township Clerk, Belhaven P. O.

GWILLIMBURY W., Tp.—Two schools erected; cost about $1,200 each; also several dwelling houses and barns. E. J. Evans, Township Clerk, Bradford P.O.

HAGAR, Tp.—Good openings for sawmill and grist mill. Number of buildings erected 3; cost $1,350. Amount expended on permanent improvements $263. T. A. Millichamp, Township Clerk, Markstay P.O.

HAGARTY, SHERWOOD, JONES, etc., Tps.—Turpentine factory started. Good opening for pulp factory. Amount expended on permanent improvements $3,600. Amount expended on sanitation $70. P. J. Harrington, Township Clerk, Killaloe Station P.O.

HAGERMAN, Tp.—Good hardwood, notably birch, for manufacturers. Number of buildings erected 3; cost about $3,000. Amount expended on permanent improvement $17,041, besides statute labour, $17,000 being expenditure by Provincial Government on bridges. F. W. Macfie, Township Clerk, Dunchurch P.O.

HAGERSVILLE, V.—Good opening for sash and door factory. Number of buildings erected 8; cost $19,500. Amount expended on permanent improvements $2,000. John H. Scott, Village Clerk, Hagersville.

HAILEYBURY, Tn.—Brick and tile works started. Owns and operates waterworks; cost $65,000. Good opening for foundry and machine shop. Number of buildings erected 240; cost $300,000. Amount expended on permanent improvements $19,625. Amount expended on sanitation $35,000 for sewers. J. D. McMurrich, Town Clerk, Haileybury.

HALDIMAND, Tp.—Amount expended on permanent improvements $3,717. Amount expended on sanitation $35. R. Lawless, Township Clerk, Grafton.

HALLAM, Tp.—New sawmill started. Good opening for cheese factory. Number of buildings erected 7; cost 3,500. Amount expended on permanent improvements $3,000, including Provincial expenditure on roads $1,700. Jos. N. Toland, Township Clerk, Webbwood P.O.

HALLOWELL, Tp.—Number of buildings erected 11; cost $9,000. Amount expended on permanent improvements about $2,000, besides statute labour. M. B. Trumpour, Township Clerk, Bloomfield P.O.

HAMILTON, C.—Rubber collar factory, saw works, tubing factory, horse collar factory and knitting factory started. Owns and operates waterworks; value $2,337,989. Good openings for biscuit factory, automobile factory, boiler and engine works, sanitary appliances factory, carriage factory and window glass factory. Number of buildings erected 472; cost $1,331,182. Amount expended on permanent improvements $61,050. Amount expended on sanitation $98,481. S. H. Kent, City Clerk, Hamilton.

HAMILTON, Tp.—Number of buildings erected 6; cost $8,000. Amount expended on permanent improvements $16,604. Amount expended on sanitation $93. J. D. Stewart, Township Clerk, Box 155, Cobourg.

HANMER, Tp.—Sawmill started. Good openings for flour mill, cheese factory or butter factory. Number of buildings erected 11; cost $4,000. Amount expended on permanent improvements $2,000. J. A. Brunet, Township Clerk, Hanmer.

HANOVER, Tn.—Owns and operates waterworks; cost $25,000. Good openings for furniture factory, whitewear factory and other industries. Number of buildings erected 13; cost $22,300. John Taylor, Town Clerk, Hanover.

HARBURN, Tp.—See Dysart, etc., Tps.

HARCOURT, Tp.—See Dysart, etc., Tps.

HARLEY, Tp.—Amount expended on permanent improvements $3,000. Jos. E. Marriott, Township Clerk, New Liskeard.

HARRISTON, Tn.—Good opening for shoe factory. Number of buildings erected 3; cost about $12,000. Amount expended on permanent improvements $1,100. A. J. Stewart, Town Clerk, Harriston.

HARVEY, Tp.—Sawmill started. Openings for lime kiln and woodworking industries. Amount expended on permanent improvements $46,950, including concrete dam and bridge at Hall's Bridge by Dominion Government. David Weir, Township Clerk, Lakehurst.

HARWICH, Tp.—Number of buildings erected about 10; cost about $15,000. Amount expended on permanent improvements $6,000. Amount expended on sanitation $450. Geo. W. Riseborough, Township Clerk, Blenheim.

HASTINGS, V.—Openings for various industries. Number of buildings erected 6; cost $13,000. Amount expended on permanent improvements $700. A. Wilson, Village Clerk, Hastings.

HAVELOCK, Tp.—See Dysart, etc., Tps.

HAVELOCK, V.—Good openings for manufacturers of wooden articles. Number of buildings erected 19; cost $22,000. Amount expended on permanent improvements $1,400. J. W. Bryans, Village Clerk, Havelock.

HAWKESBURY, Tn.—Owns and operates waterworks; value $110,000. Good opening for lumber industries, foundries, etc. Number of buildings erected 10. Amount expended on permanent improvements $19,500. Twenty connections made with sewers. D. Doyle, Town Clerk, Hawkesbury.

HAWKESBURY, E., Tp.—Openings for various rural industries. Number of buildings erected about 10; cost $3,000 to $5,000. Amount expended on permanent improvements $1,237. Amount expended on sanitation $500. Nap. Labrosse, Township Clerk, St. Eugene.

HAY, Tp.—Good opening for canning, cheese and butter factories. Number of buildings erected 4; cost about $7,000. Amount expended on permanent improvements $3,200. Fred Hess, Sr., Township Clerk, Zurich.

HEAD, MARIA AND CLARA, Tps.—One building erected; cost $400. H. Beauchamp, Township Clerk, Deux Rivieres.

HENSALL, V.—Owns and operates waterworks for fire protection; cost about $450. Opening for knitting factory. No new buildings erected. Amount expended on sanitation $1,400. R. Bouthron, Village Clerk, Hensall.

HEPWORTH, V.—Good openings for chair factory or any woodworking industry, also for cheese factory or creamery. One house erected; cost $800. Amount expended on permanent improvements $229. W. R. White, Village Clerk, Hepworth.

HESPELER, Tn.—Owns and operates electric light plant; value about $15,000. Good openings for industries; large vacant factory available. Number of buildings erected about 7; cost about $10,000. Amount expended on permanent improvements $3,000. W. Brewster, Town Clerk, Hespeler.

HIBBARD, Tp.—Good openings for cheese and butter factories. Amount expended on permanent improvements $6,005. Jas. Jordan, Township Clerk, Dublin, Ont.

HILLIER, Tp.—Preserving factory started. Good openings for shoemaker and dressmaker. Amount expended on permanent improvements about $100. Stephen Nease, Township Clerk, Hillier P. O.

HILTON, Tp.—Good opening for veneer factory or other woodworking industry; also for cement works. Number of buildings erected 4; cost $1,000. Amount expended on permanent improvements $1,956. W. E. Whybourne, Township Clerk, Marksville P. O.

HIMSWORTH N., Tp.—Good opening for planing factory. Number of buildings erected about 7; cost about $3,500. Amount expended on permanent improvements about $1,000. J. R. Moon, Township Clerk, Callendar P. O.

HIMSWORTH S., Tp.—Good opening for cheese factory. Number of buildings erected 4; cost $1,550. Amount expended on permanent improvements $394 by township, $960 by Government. Amount expended on sanitation $28. A. Oldfield, Township Clerk, Powassan.

HINCHINBROOKE Tp.—Good opening for shoemaker. Number of buildings erected about 20; cost about $10,000. Amount expended on permanent improvements $1,901, including $200, Government grant. Geo. A. Smith, Township Clerk, Parham P. O.

HINDON, Tp.—See Anson and Hindon, Tps.

HOLLAND LANDING, V.—Work commenced on branch of Trent Canal. Good opening for any industry, with excellent water facilities. No new buildings erected. Amount expended on permanent improvements $237. F. J. Sheppard, Village Clerk, Holland Landing.

HOPE, Tp.—No new buildings erected, but several houses and barns improved. Amount expended on permanent improvements $500. Thos. Roberts, Township Clerk, Welcome P. O.

HORTON, Tp.—No new buildings erected. Amount expended on permanent improvements $1,000. Geo. Eady, Jr., Township Clerk, Renfrew.

HOUGHTON, Tp.—Good openings for electric railway, brick and tile yard, and any industry manufacturing second growth timber. No new buildings erected. Amount expended on permanent improvements $2,211. James Boyd, Township Clerk, Glenmeyer.

HOWE ISLAND, Tp.—Good opening for cheese factory. Number of buildings erected 2; cost $3,000. Amount expended on permanent improvements $300. F. J. Lachance, Township Clerk, D'Arcy P. O.

HOWICK, Tp.—Number of buildings erected 6; cost about $10,000. Amount expended on permanent improvements $7,350. Amount expended on sanitation $155. L. Walker, Township Clerk, Gorrie P. O.

HOWLAND, Tp.—Good opening for sawmill and shingle mill. Number of buildings erected 4; cost $4,500. Amount expended on permanent improvements $1,650. L. W. Ferguson, Township Clerk, Green Bay P. O.

HUDSON, Tp.—New sawmill started. Good opening for sawmill. Number of buildings erected 6; cost $3,000. Amount expended on permanent improvements $3,530. E. Sackrider, Township Clerk, Hillview P. O.

HULLETT, Tp.—Good opening for butter and cheese factories. Number of buildings erected 5; cost $5,000. Amount expended on permanent improvements $7,045. Jas. Campbell, Township Clerk, Londesboro P. O.

HUMBERSTONE, Tp.—Number of buildings erected 7; cost about $9,000. Amount expended on permanent improvements $3,412. A. E. Near, Township Clerk, Gas Line P. O.

HUMPHREYS, Tp.—Number of buildings erected 2; cost $4,000. Only expenditure on permanent improvements commutation money and statute labour. A A. Young, Township Clerk, Rosseau P. O.

HUNGERFORD, Tp.—Number of buildings erected 10; cost $6,000. Amount expended on permanent improvements $2,600. Geo. H. Stokes, Township Clerk, Tweed.

HUNTINGDON, Tp.—Good opening for evaporator. Number of buildings erected 4; cost $2,600. Amount expended on permanent improvements $344. Jas. Haggerty, Township Clerk, West Huntingdon P. O.

HUNTLEY, Tp.—Rural telephone system started. Number of buildings erected 4; cost about $7,800. Amount expended on permanent improvements $2,000. Jas. H. Wilson, Township Clerk, Carp P. O.

HUNTSVILLE, Tn.—Owns and operates waterworks and electric light plant; value $53,000. Good openings for industries of almost any character. Number of buildings erected 6; cost about $6,000. Amount expended on permanent improvements $15,000. Amount expended on sanitation $3,000. T. M. Cullon, Town Clerk, Huntsville.

HURON, Tp.—Good openings for flour mill, canning factory and evaporator. Number of buildings erected 7; cost $12,000. Amount expended on permanent improvements, $2,408. Amount expended on sanitation $159. Angus Martyn, Township Clerk, Ripley P. O.

INNISFIL, Tp.—Number of buildings erected 16; cost $24,600. Amount expended on permanent improvements $3,370. Amount expended on sanitation $220. R. J. Hill, Township Clerk, Thornton P. O.

IROQUOIS, V.—Linen factory started. Owns and operates waterworks, cost $40,100; electric light plant, cost $12,000. Good openings for any industry requiring good and cheap water power. No new buildings erected. Nothing spent on permanent improvements. Amount expended on sanitation $161. Jas. Flanagan, Village Clerk, Iroquois.

JOCELYN, Tp.—Opening for cement works. Number of buildings erected 3; cost $1,400. Amount expended on permanent improvements about $200. Ch. W. Hawdon, Township Clerk, Carterton P. O.

JOHNSON, TABBUTT AND TABBUTT ADDITIONAL.—Good openings for woodworking industries, with excellent shipping facilities, and for anything connected with dairy work. Number of buildings erected 4: cost about $1,700. Amount expended on permanent improvements $2,610, including $1,800 Government grant. W. H. Butterworth, Township Clerk, Desbarats.

JOLY, Tp.—Good openings for woodworking industries. Several farmhouses and buildings erected; cost about $2,000. Amount expended on permanent improvements $100. Geo. Harkness, Township Clerk, Sundridge.

JONES, Tp.—See Hagarty and Jones, Tps.

KALADAR, ANGLESEA AND EFFINGHAM, Tps.—Stamp mill for gold crushing started. Number of buildings erected 3; cost $1,000. Amount expended on permanent improvements $387. Moses Lessard, Township Clerk, Flinton P. O.

KEARNEY, Tp.—A sawmill, and a sawmill and shingle mill started. Good opening for woodworking factories. Number of buildings erected 4; cost $4,900. Amount expended on permanent improvements $250. John A. McDonald, Township Clerk, Kearney.

KEEWATIN, Tn.—Factory for launches, canoes and row boats started. Good opening for pulp mill or flour mill, or other industry, cheap power; water power from 4,000 to 5,000 h.p. Number of buildings erected 11; cost about $17,000. Amount expended on permanent improvements about $2,500. W. J. Craig, Town Clerk, Keewatin.

KEMPTVILLE, V.—Good openings for any manufacturing industry, with excellent shipping facilities by two railways and water. Amount expended on permanent improvements $1,000. Amount expended on sanitation $800. S. H. Guest, Village Clerk, Kemptville.

KENNEBEC, Tp.—Openings for various industries. No new buildings erected. Amount expended on permanent improvements $1,200, including statute labour. D. A. Osborne, Township Clerk, Arden P. O.

KENORA, Tn.—Owns and operates telephone system, cost $12,950; electric light plant, cost $39,997; arc light system, cost $5,935; waterworks system, cost $192,199; hydro-electric power, cost $341,729. Number of buildings erected about 33; cost about $420,000. Amount expended on permanent improvements $4,024. Amount expended on sanitation $479. M. McCulloch, Town Clerk, Kenora.

KEPPEL, Tp.—Good openings for cement works, furniture factory and creamery. Amount expended on permanent improvements $2,000. Geo. Atkey, Township Clerk, Wiarton.

KERNS, Tp.—Good opening for portable sawmill. Number of buildings erected 4, cost $5,000, besides a number of other buildings. Amount expended on permanent improvements $2,000. H. M. Ship, Township Clerk, Milberta P. O.

KINCARDINE, Tn.—Bridge works and a boiler factory greatly enlarged. Owns and operates waterworks, value $45,538; and electric light system, value $20,228. Good openings for almost any kind of industry. Post office partly built and about 6 small dwellings; cost about $12,000. Amount expended on permanent improvements $1,608. Amount expended on sanitation $119. John H. Scougall, Town Clerk, Kincardine.

KINCARDINE, Tp.—One building erected; cost $2,400. Amount expended on permanent improvements $1,500. R. B. Campbell, Township Clerk, Armow P. O.

KING, Tp.—Village of Schomberg, owns and operates lighting plant, cost $1,000; village of King owns and operates lighting plant; cost $600. Good opening for cement works. Number of farm buildings erected 15; cost $10,000 or $12,000. Amount expended on permanent improvements about $8,000. Amount expended on sanitation $900 on account of contagious diseases. J. L. Jenkins, Township Clerk, King P. O.

KINGSTON, C.—Owns and operates waterworks; cost $294,000; electric light and gas plant, cost $329,125. Good openings for smelter and other industries. Number of buildings erected 79; cost $135,750. Amount expended on permanent improvements $16,000. Amount expended on sanitation $4,000 for branch sewers. W. W. Sands, M.D., City Clerk, Kingston.

KINGSTON, Tp.—Good opening for canning factory. Amount expended on permanent improvements $2,500. Amount expended on sanitation $350, suppressing contagious diseases. Chas. F. Adair, Township Clerk, Cataraqui P. O.

KINGSVILLE, Tn.—Cigar factory started. Owns and operates waterworks; cost $30,000. Good openings for evaporator, cigar or tobacco factory, canning factory or pork packing establishment. Number of buildings erected 15; cost $25,000. Amount expended on permanent improvements $2,500. Amount expended on sanitation $50. W. A. Smith, Town Clerk, Kingsville.

KINLOSS, Tp.—Amount expended on permanent improvements over $2,000. Geo. G. Moffat, Township Clerk, Langside P. O.

KITLEY, Tp.—Good opening for cement works, with large marl bed. Amount expended on permanent improvements $1,700. J. M. Edgar, Township Clerk, Toledo P. O.

KORAH, Tp.—New sawmill started. Good opening for chair factory, or any industry using wood. Number of buildings erected 4; cost $1,600. Amount expended on permanent improvements $1,500. R. M. Moore, Township Clerk, Sault Ste. Marie.

LAIRD, Tp.—Good opening for brick and tile works. Number of buildings erected 3; cost $2,500. Amount expended on permanent improvements $1,900. F. H. Schoales, Township Clerk, Laird.

LAKEFIELD, V.—Good opening for woodworking industries. Number of buildings erected 8; cost $19,000. W. Sherin, Village Clerk, Lakefield.

LANARK, Tp.—Amount expended on permanent improvements about $510. Arch. Rankin, Township Clerk, Middleville.

LANARK, V.—Good opening for woodworking industries. One building erected; cost $800. Amount expended on permanent improvements $1,102. W. A. Field, Village Clerk, Lanark.

LANCASTER, Tp.—Amount expended on permanent improvements $986. A. J. Macdonald, Township Clerk, North Lancaster P. O.

LANCASTER, V.—Good opening for foundry and machine shop. One building erected, Roman Catholic presbytery; cost about $4,000. Amount expended on permanent improvements about $600. J. McL. Sutherland, Village Clerk, Lancaster.

LANSDOWNE FRONT, Tp.—See Leeds and Lansdowne Front, Tps.

LANSDOWNE REAR, Tp.—See Leeds and Lansdowne Rear, Tps.

LATCHFORD, Tn.—Owns and operates waterworks; cost $3,000. Good openings for smelter and pulp mill. Number of buildings erected 2; cost $50,000. Amount expended on permanent improvements $1,154. Amount expended on sanitation $100. S. A. Starling, Town Clerk, Latchford.

LAVALLEE, Tp.—Amount expended on permanent improvement $2,780, including $1,500 commuted statute labour. Arthur Cooke, Township Clerk, Devlin P. O.

LAVANT, Tp.—Openings for mining. One building erected; cost $500. Amount expended on permanent improvements $300. Wm. Browning, Township Clerk, Lavant Station P. O.

LAWRENCE, Tp.—See Sherbourne, &c., Tps.

LAYTON, DIGBY AND LONGFORD, Tps. Good opening for cement works and pulp factory. Very little new building in 1908. Amount expended in permanent improvements $2,000. R. H. Southern, Township Clerk, Head Lake P. O.

LEAMINGTON, Tn.—Malleable iron range factory and pickle factory started. Owns and operates waterworks, cost $25,000; also gas plant, cost $25,000, the gas being furnished by a company. Good openings for various industries. Number of buildings erected 11; cost about $26,000. Amount expended on permanent improvements $1,500. R. M. Selkirk, Town Clerk, Leamington.

LEEDS AND LANSDOWNE FRONT, Tps.—Good openings for electric light plant, brick and tile works and printing office. Number of buildings erected 7; cost $10,000. Amount expended on permanent improvements $8,460 Amount expended on sanitation $76. J. D. W. Darling, Township Clerk, Lansdowne P. O.

LEEDS AND LANSDOWNE REAR, Tps.—Number of buildings erected 7; cost $10,000. Amount expended on permanent improvements $2,380. W. F. Bracken, Township Clerk, Seeley's Bay P. O.

LIMERICK, Tp.—Number of buildings erected 3; cost $1,100. Amount expended on permanent improvements $1,436. Jas. W. Ham, Township Clerk, St. Ola.

LINDSAY, Tn.—Lumber mill rebuilt and reopened. Owns and operates waterworks; value about $110,000. Openings for industries of almost any character, especially woodworking. Number of buildings erected 10 to 12 dwellings and one business block; value about $30,000. Amount expended on permanent improvements $55,000. Amount expended on sanitation $1,600. F. Knowlson, Town Clerk, Lindsay.

LINDSAY, Tp.—Number of buildings erected 3; cost about $1,300. Amount expended on permanent improvements about $600. Henry Ribbel, Township Clerk, Brinkman's Corners.

LISTOWEL, Tn.—Owns and operates waterworks; cost $40,000. No new buildings erected. Amount expended on permanent improvements $2,000. Wm. Bright, Town Clerk, Listowel.

LITTLE CURRENT, Tn.—Good opening for small foundry. Number of buildings erected 7; cost $10,000. Amount expended on permanent improvements $600. Amount expended on sanitation $150. D. McGilvery, Town Clerk, Little Current.

LIVINGSTONE, Tp.—See Sherbourne, &c., Tp.

LOBO, Tp.—Opening for trolley line from London to Sarnia via Arcana. Very few new buildings erected. Amount expended on permanent improvements about $5,000. E. R. Barclay, Township Clerk, Poplar Hill P. O.

LOCHIEL, Tp.—Number of buildings erected 6; cost about $6,000. Amount expended on permanent improvements $1,000. V. G. Chisholm, Township Clerk, Lochiel.

LOGAN, Tp.—One building erected, schoolhouse; cost $3,200. Amount expended on permanent improvements $14,823. Amount expended on sanitation $30. Francis Jacob, Township Clerk, Brodhagen P. O.

LONDON, C.—Factories for cement block machinery and Auer lights were started. Owns and operates waterworks; cost $931,319. Owns London and Port Stanley R.; cost $1,332,854. Good openings for industries of all kinds. Number of buildings erected 241; cost $866,330. Amount expended on permanent improvements $92,011. Amount expended on sanitation $50,071. S. Baker, City Clerk, London.

LONDON, Tp.—Good openings for all kinds of factories. Number of buildings erected about 28; cost $40,000 to $50,000. Amount expended on permanent improvements $18,000. Amount expended on sanitation $100. Mary Grant, Township Clerk, London.

LONGUEUIL, Tp.—Good opening for tile works and for lime kiln. Number of new buildings 2 or 3; cost about $5,000. Amount expended on permanent improvements $350. Amount expended on sanitation $100. Ed. Carriere, Township Clerk, Ritchouse P. O.

LONGFORD, Tp.—See Laxton, Digby and Longford, Tps.

L'ORIGNAL, V.—Openings for woodworking industries, hard or soft. Number of buildings erected 6 or 7; cost $10,000 to $12,000. Amount expended on permanent improvements $6,000. Amount expended on sanitation, $25. C. O'Brian, Village Clerk, L'Orignal.

LORNE, Tp.—See Nairn and Lorne, Tps.

LOUGHBORO, Tp.—Good opening for brickyard. Amount expended on permanent improvements $2,087, and 1,975 days' statute labour. F. M. Lawson, Township Clerk, Sydenham.

LOUTH, Tp.—Canning and packing factory, waggon shop and canning factory started. Good opening for cheese factory or creamery. Number of buildings erected 19. Amount expended on permanent improvements $1,827. M. A. Ball, Township Clerk, Jordan P. O.

LUCAN, V.—Good openings for various industries. Number of buildings erected 6; cost about $8,000. Geo. A. Stanley, Village Clerk, Lucan.

LUCKNOW, V.—Owns and operates waterworks for fire protection; cost $10,000. Good opening for knitting factory or glove factory. Number of buildings erected

3; cost $5,000. Amount expended on permanent improvements $3,300. J. E. Agnew, Village Clerk, Lucknow.

Luther E., Tp.—Number of buildings erected 10; cost $15,000. Wm. McIntyre, Township Clerk, Grand Valley P. O.

Luther W., Tp. -Amount expended on permanent improvements $1,253. Amount expended on sanitation $12. Wm. Duncan, Township Clerk, Stonywood P. O.

Lutterworth, Tp.—Some farmhouses and barns erected. Amount expended on permanent improvements $893, including $850 by Government. John H. Hulby, Township Clerk, Minden P. O.

Lynedoch, Tp.—See Brudenell and Lynedoch Tps.

McClintock, Tp.—See Sherbourne, &c., Tps.

McClure, Tp.—See Bangor, McClure and Wicklow Tps.

McDonald, Meredith and Aberdeen, Tps.—Shingle mill started. Good opening for sawmill, shingle mill and sash and door factory. Number of buildings erected 6; cost $3,000. Amount expended on permanent improvements $600. Amount expended on sanitation $100. J. H. MacLeod, Township Clerk, Gordon Lake P. O.

McDougall, Tp.—Good opening for woodenware industries, furniture, &c., plenty of good birch, &c. Amount expended on permanent improvements $360. W. J. Jones, Township Clerk, Parry Sound.

McGillivray, Tp.—Two cement block factories and creamery started. Number of buildings erected 10 or 12; cost $11,000 or $13,000. Amount expended on permanent improvements $5,500. J. D. Drummond, Township Clerk, Ailsa Craig.

McIrvine, Tp.—Good opening for lumber mill, planing mill, sash and door factory, agricultural implement factory anad peat works. No new buildings erected. Amount expended on permanent improvements $578. F. J. Strain, Township Clerk, Fort Frances.

McKellar, Tp.—Good opening for woollen mill. Amount expended on permanent improvements $370. John Fletcher, Township Clerk, McKellar P.O.

McKillop, Tp.—Number of buildings erected 3; cost $4,500. Amount expended on permanent improvements $6,291. M. Murdie, Township Clerk, Winthrop P. O.

McLean and Ridout, Tps.—Good opening for lumber mill. Number of buildings erected 7; cost $77,000, including hotel. Amount expended on permanent improvements $8,000, for two steel bridges, half granted by Government. W. H. Brown, Township Clerk, Baysville P. O.

McMurrich, Tp.—No new buildings erected. Amount expended on permanent improvements $300 for cement sidewalks. D. C. McFarlane, Township Clerk, Sprucedale.

McNab, Tp.—Number of buildings erected 2; cost $1,500. Amount expended on permanent improvements $1,500. John McGregor, Township Clerk, Burnstown P. O.

Macaulay, Tp.—Good opening for various industries with good water power at Wilson's and High Falls. Amount expended on permanent improvements $962. Amount expended on sanitation $35. Alex. Barron, Township Clerk, Bracebridge.

Machar, Tp.—Good opening for chair or furniture factory. Number of buildings erected 4; cost $1,100. Amount expended on permanent improvements $800. G. C. Smyth, Township Clerk, Stewart Bay P. O.

Madoc, Tp.—Number of buildings erected about 10; cost about $10,000. Amount expended on permanent improvements $3,500. W. T. Allen, Township Clerk, Cooper.

Madoc, V.—Talc mill started. Owns and operates electric light plant; cost about $14,064. Good opening for canning factory, pork packing establishment, foundry, &c. One building erected; cost about $2,000. Amount expended on permanent improvements $934. W. H. McBain, Village Clerk, Madoc.

Maidstone, Tp.—Some buildings erected or improved; cost about $3,000. Amount expended on permanent improvements $6,003. Amount expended on sanitation $120. M. McHugh, Township Clerk, Woodslee P. O.

Malahide, Tp.—Amount expended on permanent improvements $12,241. M. E. Lyon, Township Clerk, Aylmer.

Malden, Tp.—Brick and tile works started. Good opening for glass factory, with inexhaustible supply of suitable sand, and good shipping facilities. Number of buildings erected 6; cost $10,000. Amount expended on permanent improvements $3,000. Jas. Honor, Township Clerk, Amherstburg.

Manvers, Tp.—Number of buildings erected 10; cost $7,500. Amount expended on permanent improvements $2,255. J. J. Preston, Township Clerk, Bethany.

Mara, Tp.—Good opening for planing mill or woodenware factory. Number of buildings erected 4; cost $10,000. Amount expended on permanent improvements $400. W. R. McPhee, Township Clerk, Brechin.

Maria, Tp.—See Head, Clara and Maria, Tps.

March, Tp.—Good openings for carriage building and shoemaking. Amount expended on permanent improvements about $1,000. Thos. Richardson, Township Clerk, South March P. O.

Mariposa, Tp.—Good opening for cheese factory and for tailor. Amount expended on permanent improvements $9,655, including 3,843 days' statute labour. Amount expended on sanitation $168 by Board of Health. Jesse B. Weldon, Township Clerk, Oakwood P. O.

Markdale, V.—Furniture factory starting. System of waterworks being installed; estimated cost about $25,000. Good opening for foundry and machine shop, and for woodenware factory. Number of buildings erected 3; cost about $6,000. A. Macpherson, Village Clerk, Markdale.

Markham, Tp.—Amount expended on permanent improvements $8,212. C. H. Stiver, Township Clerk, Unionville P. O.

Markham, V.—Yarn factory started. Owns and operates waterworks and electric light plant; value $12,000. Good opening for small foundry and repair shop. New postoffice erected; cost $10,000. Amount expended on permanent improvements $15,400, including $12,000 for bridge over Rouge. M. White, Village Clerk, Markham.

Marlborough, Tp.—No new buildings erected. Amount expended on permanent improvements $931. Edward Mills, Township Clerk, Malakoff P. O.

Marmora, V.—Good openings for stave, hoop and heading mill and canning factory. Number of buildings erected about 4; cost $6,000. Amount expended on permanent improvements $380. Amount expended on sanitation $10. Geo. McQueen, Village Clerk, Marmora.

Martland, Tp.—Good openings for butter and cheese factories. Number of buildings erected 10; cost about $3,000. Amount expended on permanent improvements $1,350, including $450 Government grant. Jos. Guerin, Township Clerk, Monetteville P.O.

Maryborough, Tp.—Opening for almost any kind of industry; has good shipping facilities. Number of buildings erected 3; cost $4,500. Amount expended on permanent improvements about $3,000. W. W. Scott, Township Clerk, Moorefield.

Marysburgh N., Tp.—Good opening for canning factory. Number of buildings erected 5, cost $5,000. Amount expended on permanent improvements $800. Amount expended on sanitation $20. Levi Williams, Township Clerk, East Waupoos P. O.

Marysburgh S., Tp.—Number of buildings erected 20; cost $15,000. Amount expended on permanent improvements $300. Harvey F. Grimmon, Township Clerk, Port Milford.

Massey, Tn.—Planing mill and sash and door factory started. Owns and operates waterworks; cost $18,873. Openings for various industries, with good water powers within town limits. Number of buildings erected 3; cost $2,000. Amount expended on permanent improvements $100. Robt. Wright, Town Clerk, Massey.

Matawatchan, Tp.—See Griffith and Matawatchan, Tps.

Matchedash, Tp.—Two sawmills started. Good openings for blacksmith and repair shop and waggon factory. No new buildings erected. Amount expended on permanent improvements about $1,200. E. W. Kitchen, Township Clerk, Lovering P. O.

Matilda, Tp. Number of buildings erected 2; cost about $2,000. Amount expended on permanent improvements $15,153, including $11,609 for drainage. J. J. Payne, Township Clerk, Brinston P. O.

Mattawa, Tn.—Electric light supplied by private company, corporation paying $650 for lighting streets and town and fire halls. Good opening for furniture factory with all kinds of hardwood, and for sawmill, one being now closed down. Number of buildings erected 2; cost about $2,000. Amount expended on permanent improvements $796. Amount expended on sanitation $50. John McMeekin, Town Clerk, Mattawa.

Mattawan, Tp.—Good openings for sawmill and pulp mill. No new buildings erected. Amount expended on permanent improvement $800, Government grant. And. Borrowman, Township Clerk, Mattawa.

Maxville, V.—Good opening for chair factory. Number of buildings erected 4; cost about $9,000. Amount expended on permanent improvements $3,000. Amount expended on sanitation $200. W. P. McDiarmid, Village Clerk, Maxville.

Mayo, Tp.—Number of buildings erected 5; cost about $2,800. Amount expended on permanent improvements $275. R. Ramsbottom, Township Clerk, Rowland P. O.

Medonte, Tp.—Good openings for creamery, cheese factory, evaporator and cement works. Number of buildings erected 30; cost about $2,500. Amount expended on permanent improvements $5,000. T. D. Robinson, Township Clerk, Moonstone P. O.

Medora and Wood, Tps.—Good openings for various industries, with good water power at Bala. Number of buildings erected 10; cost about $3,000. Amount expended on permanent improvements $2,842. Amount expended on sanitation $45. H. C. Guy, Township Clerk, Dudley.

Melancthon, Tp.—Number of buildings erected about 7; cost about $9,000. Amount expended on permanent improvements $2,700. Jas. Brown, Township Clerk, Melancthon.

MEREDITH, Tp.—See McDonald, Meredith and Aberdeen, Tps.

MERRICKVILLE, V.—Good openings for manufacturing industries. No new buildings erected. Amount expended on permanent improvements about $1,500. J. Johnston, Village Clerk, Merrickville.

MERRITTON, V.—Owns and operates waterworks, cost $75,000; electric light plant, cost $10,000. Good opening for shoe factory, flax mill, cotton mill or nail factory; large four storey stone building vacant. No new buildings erected. Amount expended on permanent improvements $3,000. Amount expended on sanitation $300 for sewers. R. Clark, Village Clerk, Merritton.

MERSEA, Tp.—Buildings erected to value of about $5,000. Amount expended on permanent improvements $5,804. Alfred Hairsine, Township Clerk, Leamington.

METCALFE, Tp.—Number of buildings erected 5; cost $4,100. Amount expended on permanent improvements $2,960. Amount expended on sanitation $76. Rich. Ward, Township Clerk, Calvert P. O.

METHUEN, Tp.—See Belmont and Methuen, Tps.

MIDLAND, Tn.—Owns and operates waterworks; cost $87,500; electric light system, cost $47,700. Good opening for any industries requiring pig iron. Number of buildings erected 37; cost $86,000. Amount expended on permanent improvements $1,000. Amount expended on sanitation $2,370. Thos. I. Trueman, Town Clerk, Midland.

MILLBROOK, V.—Good openings for any kind of manufacturing. No new buildings erected. No new work on permanent improvements. Walter W. Gillott, Village Clerk, Millbrook.

MILLER, Tp.—See Clarendon and Miller Tps.

MILTON, Tn.—Screw factory started. Owns and operates waterworks, cost $25,000; light plant cost $15,000. Good openings for any iron industries. Number of buildings erected 8; cost $20,000. Amount expended on permanent improvements about $600. R. Coates, Town Clerk, Milton.

MILVERTON, V.—Good opening for woollen mill and furniture factory. Number of buildings erected 3; cost about $5,000. Amount expended on permanent improvements $3,200. W. D. Weir, Village Clerk, Milverton.

MINDEN, Tp.—Good opening for furniture factory. Amount expended on permanent improvements about $500. S. F. Stinson, Township Clerk, Minden P. O.

MINTO, Tp.—Number buildings erected 6; cost about $6,000. Amount expended on permanent improvements about $4,000. W. D. McLellan, Township Clerk, Harriston P. O.

MITCHELL, Tn.—Owns and operates waterworks and electric light plant; cost about $30,000. Good openings for almost any kind of industry. Number of buildings erected 2; cost about $1,000. Amount expended on permanent improvements $682. Jas. Barnett, Town Clerk, Mitchell.

MONAGHAN N., Tp.—Canoe and motor boat factory started. Good openings for carriage and waggon factory, sash and door factory, cold storage plant, &c. Number of buildings erected 5; cost about $4,000. Amount expended on permanent improvements $1,200. G. W. Bennett, Township Clerk, Peterborough.

MONAGHAN S., Tp.—Good opening for butter factory. Number of buildings erected 3; cost $4,000. Amount expended on permanent improvements $1,500. Jas. A. Porter, Township Clerk, South Monaghan P. O.

MONCK, Tp.—Amount expended on permanent improvements $1,666. Amount expended on sanitation $4. H. F. Bickmore, Township Clerk, Alport P. O.

Monmouth, Tp.—Amount expended on permanent improvements $43. Amount expended on sanitation $63. Alex. Riley, Township Clerk, Pusey P. O.

Mono, Tp.—Owns and operates tile moulds making tile for culverts, and selling surplus to other municipalities. Good openings for butter and cheese factories and brick and tile works. Number of buildings erected 6; cost about $4,300. Amount expended on permanent improvements $6,549. Geo. H. Harshaw, Township Clerk, Camilla P. O.

Montague, Tp.—Good openings for industries with 50 or 75 horse power undeveloped in the Rideau Canal. Buildings erected cost $5,000. Amount expended on permanent improvements $2,500. J. E. Edmunds, Township Clerk, Smith's Falls.

Moore, Tp.—Oatmeal mill started. Rural telephone line under construction. Good openings for woollen mill, flour mill and foundry. Number of buildings erected about 15; cost about $24,500. Amount expended on permanent improvements $2,800. Ch. C. Watson, Township Clerk, Brigden P. O.

Morley, Tp.—Portable sawmill started. Local telephone company built and is operating 20 miles of line. Good opening for general store. Number of buildings erected 6; cost $4,000. Amount expended on permanent improvements $1,850. Guy G. Gamsby, Township Clerk, Stratton Station P. O.

Mornington, Tp.—New cheese factory started. Number of buildings erected 8; cost $9,600. Amount expended on permanent improvements $18,187, of which $14,039 for municipal drains. William Waddell, Township Clerk, Burns P. O.

Morris, Tp.—Opening for canning factory. Amount expended on permanent improvements $6,940.90. W. Clark, Township Clerk, Belgrave P. O.

Morrisburg, V.—Owns and operates waterworks; cost $25,000; electric light plant; cost $35,000. Opening for various industries. No new buildings erected and no expenditure on permanent improvements. F. R. Chalmers, Village Clerk, Morrisburg.

Mosa, Tp.—Good opening for cheese factory. Amount expended on permanent improvements $2,364. Amount expended on sanitation $10. John S. Walker, Township Clerk, Glencoe.

Moulton, Tp.—Amount expended on permanent improvements $564. Walter M. Allen, Township Clerk, Moulton.

Mount Forest, Tn. -Owns and operates waterworks; cost $34,500; electric light plant; cost $15,000. Number of buildings erected 2; cost $2,500. Amount expended on permanent improvements $2,500. W. C. Perry, Town Clerk, Mount Forest.

Mountain, Tp.—Number of buildings erected 10; cost about $10,000. Amount expended on permanent improvements $7,000. Hugh Martin, Township Clerk, Hallville P. O.

Mulmur, Tp.—Amount expended on permanent improvements $4,014, including bonus for wire fencing $494. Geo. Laking, Township Clerk, Honeywood P. O.

Murray, Tp.—Number of buildings erected about 6; cost about $4,000. Amount expended on permanent improvements $150. Amount expended in sanitation $62. Wm. Little, Township Clerk, Wooler P. O.

Muskoka, Tp.—Good opening for flour and grist mill. Number of buildings erected 3; cost about $1,700. Amount expended on permanent improvements $1,249. Jas. Brydon, Township Clerk, Gravenhurst.

Nairn and Lorne, Tps.—Electric power plant installed to run mines. Good opening for pulp mill or woodworking factory, with fall on Spanish River capable of developing 6,000 h.p.; good mineral region. Number of buildings erected 5;

cost about $13,000. Amount expended on permanent improvements $4,100. Amount expended on sanitation $100. Wilson Humphries, Township Clerk, Nairn Centre.

Napanee, Tn.—Owns and operates electric lighting plant, cost $45,000. Good openings for furniture factory, canning factory and almost any kind of industry. Number of buildings erected 4; cost $5,400. Amount expended on permanent improvements about $500. Amount expended on sanitation about $2,500 for sewer. W. A. Grange, Town Clerk, Napanee.

Nassagaweya, Tp.—Number of buildings erected 7; cost $13,600. Amount expended on permanent improvements about $3,000. Colin Cameron, Township Clerk, Eden Mills P. O.

Neebing, Tp.—Number of buildings erected 10; cost $1,400. Amount expended on permanent improvements $10,358, including $5,358 for bridges. W. McRae, Township Clerk, Fort William.

Neelon and Garson, Tps.—Good opening for ore smelter. Amount expended on permanent improvements $1,500. Geo. A. Loney, Township Clerk, Sudbury.

Nelson, Tp.—Good opening for electric road in northern part of township. Number of houses erected 10; cost about $13,000. Amount expended on permanent improvements $1,100. J. F. Richardson, Township Clerk, Nelson.

Nepean, Tp.—Good openings for manufacturing, with undeveloped water power and good railway facilities. Amount expended on permanent improvements $9,493. A. G. Dawson, Township Clerk, Westboro P. O.

Neustadt, V.—Apple evaporator started. Number of buildings erected 3; cost $11,000. Amount expended on permanent improvements $1,384. R. W. Walden, Village Clerk, Neustadt.

New Hamburg, V.—Upholstered furniture factory started. Good openings for foundry and machine shop, chair factory, shirt and collar factory, paper box factory and fruit cannery. Number of buildings erected 7; cost $17,000. Amount expended on permanent improvements $1,500. W. Millar, Village Clerk, New Hamburg.

New Liskeard, Tn.—Owns and operates waterworks; cost $60,000. Good opening for woodenware factory. Number of buildings erected 5; cost about $24,000 including Methodist church costing $20,000. Amount expended on permanent improvements $4,931. Amount expended on sanitation about $300. H. Hartman, Town Clerk, New Liskeard.

Newboro, V.—Good openings for accommodation for tourists; pretty summer resort in midst of 10 lakes well stocked with bass and salmon. One new building erected; cost $2,000. Amount expended on permanent improvements $400. L. S. Lewis, Village Clerk, Newboro.

Newburgh, V.—Branch of Standard Bank opened. Good openings for industries requiring abundant water power. Number of buildings erected 4; cost about $6,000. Amount expended on permanent improvements $880. Ch. Welbanks, Village Clerk, Newburgh.

Newbury, V.—Basket factory started. Good openings for harnessmaker and shoemaker. One building erected; cost $4,500. Amount expended on permanent improvements $835. Chas. Tucker, Village Clerk, Newbury.

Newcastle, V.—Good opening for canning factory. No new buildings erected. Amount expended on permanent improvements $1,142. Geo. Jamieson, Village Clerk, Newcastle.

Newmarket, Tn.—Owns and operates waterworks; cost $29,000; electric light plant; cost $22,000. Good opening for sash and door factory. Number of buildings erected about 25; cost about $37,000. Amount expended on permanent im-

provements $3,500. Amount expended on sanitation $657. J. E. Hughes, Town Clerk, Newmarket.

NIAGARA, Tn.—Owns and operates waterworks, cost $36,000; electric light plant, cost $21,500. Good openings for manufactures of any kind, with Niagara Falls power. Number of buildings erected 5; cost $5,000. Amount expended on permanent improvements $1,200. J. H. Burns, Town Clerk, Niagara.

NIAGARA, Tp.—Good opening for electric railroad from St. Catharines to Niagara. Number of buildings erected 12; cost about $5,000. Amount expended on permanent improvements $2,000. John Knox, Township Clerk, Virgil P. O.

NIAGARA FALLS, C.—Corset factory started. Owns and operates waterworks, cost $200,000; electric light plant, cost $150,000. Good openings for any industry requiring electric power. Number of buildings erected 38; cost $475,000. Amount expended on permanent improvements $30,000. Amount expended on sanitation $10,000. W. J. Seymour, City Clerk, Niagara Falls.

NICHOL, Tp.—Amount expended on permanent improvements $1,500. J. R. Wissler, Township Clerk, Salem P. O.

NIGHTINGALE, Tp.—See Sherbourne, etc., Tps.

NIPISSING, Tp.—Good opening for general store. Number of buildings erected at least 8; cost about $10,000. Amount expended on permanent improvements $300. W. S. Rowson, Township Clerk, Nipissing.

NISSOURI E., Tp.—Number of buildings erected about 11; cost about $1,400; besides cement silos and barn foundations. Amount expended on permanent improvements $5,828. Amount expended on sanitation $75. G. B. Anderson, Township Clerk, Medina P. O.

NISSOURI W., Tp.—Number of buildings erected about 12; cost about $15,000. Amount expended on permanent improvements $7,500. J. H. Davis, Township Clerk, St. Mary's.

NORMANBY, Tp.—Good opening for furniture factory. R. H. Fortune, Township Clerk, Ayton.

NORTH BAY, Tn.—Sash and door factory and Pintoch gas factory started. Owns and operates waterworks; cost $108,610. Good openings for woodworking industries; with excellent shipping facilities. Number of buildings erected about 60; cost about $200,000. Amount expended on permanent improvements $18,036, including $11,372 for waterworks reservoir. Amount expended on sanitation $7,380 for sewers. M. W. Flannory, Town Clerk, North Bay.

NORWICH, V.—Good opening for hardwood industry or for canning factory using fruit, vegetables and poultry. One private residence built; cost about $3,000. Amount expended on permanent improvements $2,250. Amount expended on sanitation $5,100 for sewers. Wm. Fairley, Village Clerk, Norwich.

NORWICH N., Tp.—Good opening for grist mill at Burgessville Station. Number of buildings erected about 10; cost about $15,000. Amount expended on permanent improvements about $5,000. Amount expended on sanitation about $100. Chas. F. Burgess, Township Clerk, Routhier P. O.

NORWICH S., Tp.—Good openings for any kind of manufacture; excellent water power. Amount expended on permanent improvements $5,000, besides $2,000 by county. H. McFarlane, Township Clerk, Otterville P. O.

NORWOOD, V.—Good openings for sash and door factory, barrel factory, furniture factory and tannery. Number of buildings erected 3; cost $4,800. Amount expended on permanent improvements $5,651. Jas. Calder, Village Clerk, Norwood.

OAKLAND, Tp.—Box factory started. Amount expended on permanent improvements, $1,090. P. M. Button, Township Clerk, Oakland P. O.

OAKLEY, Tp.—Good opening for lumber, lath and shingle mills, furniture factory, stave factory and small woodenware; good water power and abundant timber. Number of buildings erected 4; cost $15,000. Amount expended on permanent improvements $800. H. J. Johnston, Township Clerk, Vankoughnet P. O.

OAKVILLE, Tn.—Pressed brick works and lumber yard started. Owns and operates waterworks, cost $55,000; electric light plant, cost $15,000. Good opening for industries of any character. Number of buildings erected 12; cost $30,000. Amount expended on permanent improvements $1,150. Amount expended on sanitation $176. Chas. A. Bradbury, Town Clerk, Oakville.

O'CONNOR, Tp.—Good opening for sawmill. Number of buildings erected 10; cost $6,500. Amount expended on permanent improvements $1,600. H. J. Winslow, Township Clerk, O'Connor P. O.

OIL SPRINGS, V.—Flax mill started. Good opening for creamery, basket factory and another flax mill. One new building was erected; cost $2,000. Amount expended on permanent improvements $466. Amount expended on sanitation $120. D. P. Sisk, Village Clerk, Oil Springs.

OLDEN, Tp.—Good openings for factories for agricultural implements and for wooden parts of vehicles. Amount expended on permanent improvements about $1,500. W. P. Bender, Township Clerk, Long Lake P. O.

OLIVER, Tp.—Good opening for furniture factory, with plenty of birch and other hardwood and cheap water power available. Number of buildings erected 2; cost $1,500. Amount expended on permanent improvements $3,986. C. R. B. Hill, Township Clerk, Murillo P. O.

OMEMEE, V.—Number of buildings erected 3; cost $3,100. Amount expended on permanent improvements $400. Geo. A. Balfour, Village Clerk, Omemee.

ONEIDA, Tp.—Gypsum plaster factory started. Amount expended on permanent improvement $1,500. John Senn, Township Clerk, York P. O.

ONONDAGA, Tp.—Number of buildings erected about 4; cost about $2,000. S. J. McKelvey, Township Clerk, Tuscarora P. O.

OPS, Tp.—Amount expended on permanent improvements about $4,000. Amount expended on sanitation about $50. W. F. O'Boyle, Township Clerk, Lindsay.

ORANGEVILLE, Tn.—Owns and operates waterworks; cost $51,000. Good openings for any kind of manufacture. Number of buildings erected 2; cost $4,000. Amount expended on permanent improvements $7,938. A. A. Hughson, Town Clerk, Orangeville.

ORFORD, Tp.—Openings for canning factory and small woodenware industries. No new buildings erected. Amount expended on permanent improvements about $4,000. F. Littlejohns, Township Clerk, Highgate P. O.

ORILLIA, Tp.—Good openings for factories with sites along railway lines. Number of buildings erected about 20; cost about $20,000. Amount expended on permanent improvements $3,839. J. C. Rose, Township Clerk, Orillia.

ORO, Tp.—Good opening for cheese factory or creamery. Amount expended on permanent improvements about $800. H. J. Tudhope, Township Clerk, Rugby P. O.

OSGOODE, Tp.—Amount expended on permanent improvements $4,837. F. Iveson, Township Clerk, Metcalfe P. O.

Oshawa, Tn.—Carriage and hearse factory and planing mill and interior fittings factory started. Owns and operates waterworks; cost $130,000. Good opening for harness, trunk and valise or shoe factory. Number of buildings erected 52; cost about $80,000. Amount expended on permanent improvements $6,000. Amount expended on sanitation $2,142. Thos. Morris, Town Clerk, Oshawa.

Osnabruck, Tp.—Manufacture of whey butter as a by-product of cheesemaking started. Good opening for cement concrete works, canning factory or condensed milk factory. Number of buildings erected 41; cost $40,000 to $45,000. Amount expended on permanent improvements $68,200. Amount expended on sanitation $65. H. E. Hodgins, Township Clerk, Osnabruck Centre.

Oso, Tp.—Good opening for grist mill or canning factory. Number of buildings erected 3; cost $2,100. Amount expended on permanent improvements $1,058, of which $800 was Government grant. John Hetherington, Township Clerk, Sharbot Lake.

Osprey, Tp.—Veneer factory started. Number of buildings erected about 50; cost about $20,000. Amount expended on permanent improvements about $2,500. Thos. Scott, Township Clerk, McIntyre P. O.

Otonabee, Tp.—Number of buildings erected about 7; cost about $13,000. Amount expended on permanent improvements $1,240. Amount expended on sanitation $10. J. M. Drummond, Township Clerk, Keene.

Ottawa, C.—Owns and operates waterworks; cost $2,250,000; electric light plant, cost $330,000. Good openings for industries of any description. Number of buildings erected 507; cost $1,794,075. Amount expended on permanent improvements $194,000. Amount expended on sanitation $80,500. John Henderson, City Clerk, Ottawa.

Owen Sound, Tn.—Whip factory started. Owns and operates waterworks, cost $142,975; gas works, cost $88,396; and electric light plant, cost $105,990. Good opening for furniture factory or any woodworking industry, or one requiring wood, lime or limestone. Number of buildings erected 88; cost about $350,000. Amount expended on permanent improvements $17,934. Amount expended on sanitation $3,550. Chas. Gordon, Town Clerk, Owen Sound.

Oxford, Tp.—No new buildings erected. Amount expended on permanent improvements $993. C. H. Anderson, Township Clerk, Oxford Mills P. O.

Oxford E. Tp.—Amount expended on permanent improvements $3,007. Amount expended on sanitation $19. F. G. Jackson, Township Clerk, Oxford Centre.

Oxford N. Tp.—Number of buildings erected about 4; cost about $2,000. Amount expended on permanent improvements about $1,500, besides statute labour. Rich. Sheldon, Township Clerk, Ingersoll.

Oxford W., Tp.—Number of buildings erected 9; cost about $10,000. Amount expended on permanent improvements about $600. Amount expended on sanitation about $28. Byron G. Jermey, Township Clerk, Ingersoll.

Paipoonge, Tp.—Street railway started. Good opening for creamery. Number of buildings erected 10; cost about $5,400. Amount expended on permanent improvements about $2,000. A. E. Babcock, Township Clerk, Slate River Valley P. O.

Paisley, V.—Owns and operates waterworks for fire protection; value $9,900. Good opening for carpet factory, with buildings and machinery. No new buildings erected. Amount expended on permanent improvements about $700. Amount expended on sanitation $242. J. C. Gibson, Village Clerk, Paisley.

PAKENHAM, Tp.—Good opening for various industries, with good water power available. Amount expended on permanent improvements about $500 or $600. Jas. Connery, Township Clerk, Cedar Hill.

PALMERSTON, Tn.—Owns and operates waterworks, cost $40,000, and electric light system, cost $14,000. Good openings for any industry; fine vacant factory. Number of buildings erected 3; estimated cost $6,000. Amount expended on permanent improvements $2,000. H. Hyndman, Town Clerk, Palmerston.

PALMERSTON AND CANONTO, N. AND S., Tps.—Good opening for creamery. No new buildings erected. Amount expended on permanent improvements $350, Government grant. Isaac Allan, Township Clerk, Mississippi Station P.O.

PAPINEAU, Tp.—Opening for creamery and for small sawmill. No new buildings of any importance erected. Amount expended on permanent improvements $1,500 by Provincial government. And. Borrowman, Township Clerk, Mattawa.

PARIS, Tn.—Owns and operates waterworks; cost $79,000; electric light plant, cost $52,000. Good opening for any kind of industry. Number of buildings erected 12; cost $30,000. Amount expended on permanent improvements $3,000. Thos. McCosh, Town Clerk, Paris.

PARKHILL, Tn.—Openings for various industries. Number of buildings erected 3; cost $10,000. Amount expended on permanent improvements $3,500. John H. Laughton, Town Clerk, Parkhill.

PARRY SOUND, Tn.—Furniture parts, veneer and basket factory started. Owns and operates waterworks, cost $60,000; electric light plant, cost $65,000. Good openings for woodworking industries, grist mill, woollen mill, tannery, etc.; good rail and water transportation facilities; good sites available. Number of buildings erected 50 or 60; cost about $60,000. Amount expended on permanent improvements $16,000. Amount expended on sanitation $4,000 for sewers. E. E. Armstrong, Town Clerk, Parry Sound.

PEEL, Tp.—Number of buildings erected 10; cost $14,500. Amount expended on permanent improvements about $1,865. Amount expended on sanitation about $50. Edw. Gainer, Township Clerk, Arthur P. O.

PELEE, Tp.—Good openings for canning and pickling factory, tobacco curing establishment, grain elevator and steamboat service. Number of buildings erected 3; cost about $7,000. Amount expended on permanent improvements about $400. Wm. Stewart, Township Clerk, Pelee Island.

PELHAM, Tp.—New sawmill started. Good opening for canning factory. Number of buildings erected about 12; cost about $15,000. Amount expended on permanent improvements $5,569. Amount expended on sanitation $75. A. N. Armbrust, Township Clerk, Ridgeville.

PEMBROKE, Tn.—Owns and operates waterworks; value $75,000. Good opening for woollen and carding mill in place of one destroyed by fire. Number of buildings erected about 22; cost about $47,300. Amount expended on permanent improvements $27,000. Amount expended on sanitation $1,300 for sewers. A. J. Fortier, Town Clerk, Pembroke.

PEMBROKE, Tp.—Good openings for woodworking industries, foundry and brick and tile works. Number of buildings erected 8 or 10; cost about $5,000. Amount expended on permanent improvements $19. H. W. Perrett, Township Clerk, Pembroke.

PENETANGUISHENE, Tn.—Cooperage started. Owns and operates waterworks; cost $47,400. Good opening for woodworking factories. Number of buildings

erected 25; cost about $20,000. Amount expended on permanent improvements about $500. W. H. Hewson, Town Clerk. Penetanguishene.

PERCY, Tp.—Opening for canning factory. Number of buildings erected 10; cost $12,000. Amount expended on permanent improvements $3,600. P. S. Ewing, Township Clerk, Warkworth.

PERRY, Tp.—Hub factory started. Good openings for sawmill and planing factory. No new buildings erected. Amount expended on permanent improvements $3,000. F. W. Brooks, Township Clerk, Emsdale P. O.

PERTH, Tn.—Owns and operates street arc light system: value $13,000. Good openings for industries of almost any kind. Number of buildings erected about 7: cost about $10,000. Amount expended on permanent improvements $8,000. Amount expended on sanitation $25,000 for sewers. John A. Kerr, Town Clerk, Perth.

PETERBOROUGH, C. Mat factory started. Owns and operates waterworks; value $330,000. Best of openings for industries of any kind, with cheap hydro-electric power, excellent shipping facilities, etc. Number of buildings erected 98; cost $238,963. Amount expended on permanent improvements $14,221. Amount expended on sanitation $7,224. S. R. Armstrong, City Clerk, Peterborough.

PETEWAWA, Tp.—Number of private buildings erected 10, cost about $3,800; militia department buildings, cost $5,000 to $10,000. Amount expended on permanent improvements $700, Government grant. Amount expended on sanitation $4,000 to $7,000 for sewers by Militia Department. Fred. Kossatz, Township Clerk, Pembroke P.O.

PETROLIA, Tn. Owns and operates waterworks; cost $190,000. Good opening for packing house; building partly destroyed by fire available. No new buildings erected. Amount expended on permanent improvements $21,000. J. McHattie, Town Clerk, Petrolea.

PICKERING, Tp.—Number of buildings erected 15; cost $21,000. Amount expended on permanent improvements $3,000. D. R. Beaton, Township Clerk, Whitevale, P. O.

PICTON, Tn.—Owns and operates waterworks and electric light plant; value $60,000; worked together under commissioners. Number of buildings erected 16; cost $17,000. Amount expended on permanent improvements $7,251. R. H. Hubbs, Town Clerk, Picton.

PILKINGTON, Tp. A number of dwelling houses and barns erected; cost $6,000. Amount expended in permanent improvements $2,049. Geo. F. Cromar, Township Clerk, Salem.

PITTSBURGH, Tp.—Good openings for butter factories. No new buildings erected. Amount expended on permanent improvements $5,027. Wm. Murray, Township Clerk, Barriefield.

PLANTAGENET N., Tp.—Woollen mills started. Good openings for canning factory, stone quarries and lime kilns. Number of buildings erected 12; cost about $10,000. Amount expended on permanent improvements about $800. D. M. Viau, Township Clerk, Plantagenet.

PLUMMER ADDITIONAL, Tp.—Good opening for sawmill, woodworking industries of all kinds, copper smelters, etc. No new buildings erected. Amount expended on permanent improvements $3,200. N. H. Peterson, Township Clerk, Bruce Mines P. O.

PLYMPTON, Tp.—Sawmill and creamery started. Good openings for milk condensing factory, concrete tile works and boring for natural gas. Number of

buildings erected 22; cost $23,500. Amount expended on permanent improvements $2,589. J. K. Cairns, Township Clerk, Camlachie P. O.

Point Edward, V.—Good opening for industries of any description. No new buildings erected. Amount of expenditure on permanent improvements $177. David Seckler, Acting Village Clerk, Point Edward.

Port Arthur, C.—Owns and operates waterworks, cost $323,546; electric railway, cost $301,067; electric light system, cost $61,046; telephone system, cost $81,764; power plant $272,917. Good openings for match factory, woodenware factory, woollen mill, washing machinery factory, and flour mill. Number of buildings erected within fire limits 5; cost $22,306; estimated number for whole city 100; estimated cost $293,000. Amount expended on permanent improvements, $132,012. Amount expended on sanitation, $9,035. James McTeigue, City Clerk, Port Arthur.

Port Carling, V.—Number of buildings erected 2; cost $500. Amount expended on permanent improvements $785. Amount expended on sanitation $101. F. D. Stubbs, Village Clerk, Port Carling.

Port Colborne, V.—Cement works started. Owns and operates waterworks; cost about $26,000. Good openings for manufacturing of any kind. Number of buildings erected about 12; cost about $25,000. Amount expended on permanent improvements $1,500. Amount expended on sanitation, about $1,000. Frank D. Noble, Village Clerk, Port Colborne.

Port Dalhousie, V.—Good openings for almost any kind of industry. Number of buildings erected 7; cost about $10,000. J. M. A. Waugh, Village Clerk, Port Dalhousie.

Port Dover, V.—Brick and tile works, greenhouse and floral designs started. Good openings for planing mills, sash and door factory and other industries; abundance of natural gas, and excellent shipping facilities by rail and water. Number of buildings erected 3; cost about $3,600. Amount expended on permanent improvements about $2,000. Amount expended on sanitation about $275. Jas. Sloan, Village Clerk, Port Dover.

Port Elgin, V.—Owns and operates waterworks; cost about $40,000. Good opening for sawmills, one newly erected available; also for shovel and pressed steel works, building and machinery for such work available. Number of buildings erected 6; cost about $25,000. Amount expended on sanitation about $250. D. Geddes, Village Clerk, Port Elgin.

Port Hope, Tn.—Neckwear factory started. Owns and operates waterworks; cost $82,150. Good openings for iron industries. Number of buildings erected 7; cost $21,000. Amount expended on permanent improvements $6,000. Amount expended on sanitation $3,500. J. W. Sanders, Town Clerk, Port Hope.

Port Perry, V.—Owns and operates waterworks and electric light system; cost $24,000. No new buildings erected. Amount expended on permanent improvements $1,000. Wm. H. Harris, Village Clerk, Port Perry.

Port Rowan, V.—Owns and operates street lighting plant; cost $400. Good openings for canning factory and knitting factory. Number of buildings erected 10; cost $8,775. Amount expended on permanent improvements $350. Jas. Ryan, Village Clerk, Port Rowan.

Port Stanley, V.—Disc plough factory started. Good openings for any kind of industry. Number of buildings erected 45; cost $33,500. Amount expended on permanent improvements $1,802. Amount expended on sanitation $35. Jas. Gough, Village Clerk, Port Stanley.

PORTLAND, Tp. Good opening for canning factory. Number of buildings erected 6; cost $10,000. Amount expended on permanent improvements $1,853. Amount expended on sanitation $50. Thos. A. Kerr, Township Clerk, Harrowsmith P. O.

PORTSMOUTH, V.—Good opening for ship building. No new buildings erected. Amount expended on permanent improvements $697. Amount expended on sanitation $114. J. W. Henstridge, Village Clerk, Portsmouth.

POWASSAN, Tn.—Good opening for veneer factory, foundry, tannery and woodworking industries, with good water power. Number of buildings erected 4; cost $14,000. Amount expended on permanent improvements $900. L. G. Phillips, Town Clerk, Powassan.

PRESCOTT, Tn.—Owns and operates waterworks, cost $65,000; electric light plant, cost $25,000. Good openings for any manufacturing industries. Number of buildings erected 5; cost about $10,000. Geo. Rook, Town Clerk, Prescott.

PRESTON, Tn. Owns and operates waterworks, cost $77,000; electric light plant, cost $38,000. Openings for all kinds of industries. Number of buildings erected 30; cost about $75,000. Amount expended on permanent improvements $1,800. Amount expended on sanitation $15,000 for sewers. H. C. Edgar, Town Clerk, Preston.

PRINCE, Tp.—Amount expended on permanent improvements $800. Robt. Liddle, Township Clerk, Sault Ste. Marie West P. O.

PROTON, Tp.—Amount expended on permanent improvements $3,778, including statute labour. Thos. Laughlin, Township Clerk, Ventry P. O.

PUSLINCH, Tp.—Good openings for wagon maker and for horse shoer in police village of Morriston. A considerable number of houses, barns and silos erected; cost $10,000 or $50,000. Amount expended on permanent improvements $3,500. Geo. J. Meldrum, Township Clerk, Morriston.

RADCLIFFE, Tp. One building erected; cost $300. J. E. N. Miller, Township Clerk, Combermere.

RAGLAN, Tp.—One new school house erected; cost $700. Amount expended on permanent improvements $134. C. F. Schmeizle, Township Clerk, Jewellville P. O.

RAINHAM, Tp.—Good opening for milk condensing factory, brick and tile works, boring for natural gas and other industries. Amount expended on permanent improvements about $725. L. F. Culver, Township Clerk, Rainham Centre P. O.

RAINY RIVER, Tn.—Good opening for industry connected with the lumber trade. Number of buildings erected 7; cost about $7,000. Amount expended on permanent improvements $2,000. J. H. Wilson, Town Clerk, Rainy River.

RALEIGH, Tp.—Good opening for beet sugar factory. Amount expended on permanent improvements $2,100. A. E. Robinson, Township Clerk, Buxton P. O.

RAMA, Tp.—Good openings for granite and limestone quarries close to C. N. R. track. Barns and dwelling houses erected costing about $5,000. Amount expended on permanent improvements $2,300. W. M. Shields, Township Clerk, O'Connell P. O.

RAMSEY, Tp.—Good opening for flour mill. No new buildings of any importance erected. Amount expended on permanent improvements $3,200. T. A. Thompson, Township Clerk, Almonte.

RATTER AND DUNNETT, Tps.—Number of buildings erected 2; cost $1,300. Amount expended on permanent improvements $333. Amount expended on sanitation $73. Emile Langlois, Township Clerk, Warren P. O.

Rawdon, Tp.—Number of buildings erected 5 or 6; cost $1,500 to $2,000. Amount expended on permanent improvements $860. Amount expended on sanitation $177. W. F. Bateman, Township Clerk, Spring Brook P. O.

Rayside, Tp.—Good opening for blacksmith shop. Number of buildings erected 5; cost about $1,000. Amount expended on permanent improvements $1,900. G. Bonin, Township Clerk, Boninville P. O.

Reach, Tp.—Cost of buildings erected, about $15,000. Amount expended on permanent improvements $1,000. Amount expended on sanitation $126. W. F. Dobson, Township Clerk, Manchester P. O.

Renfrew, Tn.—Refrigerator factory started. Owns and operates waterworks; cost $100,000. Good openings for foundry and woodworking industries. Opera house erected; cost $100,000. Amount expended on permanent improvements $4,138. Amount expended on sanitation $6,000. J. K. Rochester, Town Clerk, Renfrew.

Richards, Tp.—See Hagarty, Sherwood, Jones, etc., Tps.

Richmond, Tp.—Number of buildings erected 6; cost $4,800. Amount expended on permanent improvements $1,800. Amount expended on sanitation $30. Abram Winters, Township Clerk, Selby P. O.

Richmond, V.—Owns and operates concrete moulds; cost $36. Good openings for sawmill, grist mill and foundry. One building erected; cost $2,000. Amount expended on permanent improvements $200. John Kielly, Village Clerk, Richmond West P. O.

Richmond Hill, V.—Good opening for light manufacturers using electric power. Number of buildings erected 3; cost about $5,000. Amount expended on permanent improvements about $500. A. J. Hume, Village Clerk, Richmond Hill.

Ridgetown, Tn.—Good opening for canning factory and machine shops. No new buildings erected. Amount expended on permanent improvements about $3,000. D. Cochrane, Town Clerk, Ridgetown.

Ridout, Tp.—See McLean and Ridout, Tps.

Rochester, Tp.—Owns and operates telephone system (in trust for 165 subscribers); cost $6,600. Good openings for manufacture of corn syrup and sugar cane syrup, of cereal food from corn and oats and for preparing corn for seed. Number of buildings erected 5; cost $4,000. Amount expended on permanent improvements $9,180. M. N. Mousseau, Township Clerk, Woodslee P. O.

Rockland, Tn.—Good openings for any kind of industries, especially manufacture of lime and cement; excellent shipping facilities. Number of houses erected 10; cost about $30,000. Amount expended on permanent improvements $1,000. Amount expended on sanitation $10. Jas. L. Lagrois, Town Clerk, Rockland.

Roddick, Tp.—See Alberton and Roddick, Tps.

Rodney, V.—Good opening for creamery or milk condensing plant. Buildings erected cost $4,000 or $5,000. Amount expended on permanent improvements about $1,000. J. W. Shaw, Village Clerk, Rodney.

Rolph, Buchanan and Wylie, Tps.—Number of buildings erected 2; cost about $1,200. Amount expended on permanent improvements $600. Florence McCarthy, Township Clerk, Wylie P. O.

Romney, Tp.—Good opening for canning factory. Number of buildings erected about 20; cost about $10,000. Amount expended on permanent improvements $2,190. Amount expended on sanitation $22. J. W. Kennedy, Township Clerk, Wheatley P. O.

Ross, Tp.—Number of buildings erected about 8; cost about $8,000. Amount expended on permanent improvements about $500. P. R. Pounder, Township Clerk, Forester's Falls.

Roxborough, Tp.—Two new cheese factories started. Good openings for brick yard and peat works. Number of buildings erected about 50; cost about $75,000. Amount expended on permanent improvements about $1,000. F. D. Brunet, Township Clerk, Moose Creek.

Russell, Tp.—Openings for cement works, lime kiln and quarry. Number of buildings erected 21; cost $25,000. Amount expended on permanent improvements $5,000. Amount expended on sanitation $500. P. E. Guern, Township Clerk, Embrun P. O.

Ryde, Tp.—No new buildings erected. Amount expended on permanent improvements $210. A. C. Fletcher, Township Clerk, Housey's Rapids P. O.

Ryerson, Tp.—Two sawmills being erected. Number of buildings erected 10; cost about $10,000. Amount expended on permanent improvements about $250. Robt. Bradley, Township Clerk, Burk's Falls.

St. Catharines, C.—Broom factory, spring wire factory, brass foundry and chain factory started. Owns and operates waterworks; cost $340,000. Owns one-third interest in gas plant; cost $150,000. Good openings for any industries requiring water power or electric power; under agreement electric power guaranteed 10 per cent. cheaper than any other place; good sites free; natural gas for power and heat; good transportation by rail and water. Number of buildings erected 82, costing $125,000, inside fire limits. Amount expended on permanent improvements $61,500. Amount expended on sanitation $10,000 for sewers. J. Albert Pay, City Clerk, St. Catharines.

St. Edmunds, Tp.—Lumber and shingle mill started. Good openings for stove factory and woodworking industries. One building erected; cost $7,000. Amount expended on permanent improvements $400. W. J. Simpson, Township Clerk, Tobermory.

St. Joseph, Tp.—Good opening for tannery and sash and door factory. Number of buildings erected 12; cost $23,000. Amount expended on permanent improvements $2,000. H. M. Ross, Township Clerk, Richard's Landing P. O.

St. Mary's, Tn.—Smallware factory commenced, but not completed. Owns and operates waterworks and electric light plant; cost about $100,000. Good opening for cement and stone industries, goods made of iron, steel or wood, shoe factory, etc. Number of buildings erected 10; cost about $30,000. Amount expended on permanent improvements $3,500. T. M. Clark, Town Clerk, St. Mary's.

St. Thomas, C.—Owns and operates waterworks; cost $200,000; electric light and gas plant; cost $275,000; street railway; cost $85,000. Good openings for almost any kind of industry. Number of buildings erected 140; cost $236,000. Amount expended on permanent improvements $30,000. Amount expended on sanitation $2,000. W. B. Doherty, City Clerk, St. Thomas.

Saltfleet, Tp.—New jam factory started. Good opening for planing mills and canning factory. Number of buildings erected 20; cost $50,000. Amount expended on permanent improvements $8,000. Amount expended on sanitation $400. Erland Lee, Township Clerk, Stoney Creek P. O.

Sandwich, Tn.—Owns and operates water pipes and connections; value of plant $20,900; water furnished from Windsor at flat rate paid by municipality. Good opening for industries requiring a few acres on a fine water front. Number of buildings erected 12; cost about $18,000. Amount expended on permanent

improvements $8,000. Amount expended on sanitation $2,819. E. R. North, Town Clerk, Sandwich.

Sandwich E., Tp.—Good opening for local telephone and waterworks. Number of buildings erected 8; cost $20,000. Amount expended on permanent improvements $9,500. John Dugal, Township Clerk, Tecumseh P. O.

Sandwich W., Tp.—Opening for all kinds of industries. Buildings erected cost $25,000. Amount expended on permanent improvements $7,500. Ernest Bondy, Township Clerk, Canard River P. O.

Sarnia, Tn.—Structural iron works started. Owns and operates waterworks; cost $225,000. Good openings for industries seeking market in North-West; natural gas available and excellent transportation facilities. Number of buildings erected about 15; cost about $40,000. Amount expended on permanent improvements $38,380. Amount expended on sanitation about $1,000. J. D. Stewart, Town Clerk, Sarnia.

Sarnia, Tp.—Good opening for canning factory. Number of buildings erected 10; cost $10,000. Amount expended on permanent improvements $3,500. H. D. Kewley, Township Clerk, Sarnia.

Saugeen, Tp.—Number of buildings erected 7 to 9; cost about $10,000. Amount expended on permanent improvements $2,000. Amount expended on sanitation $15. F. W. Elliott, Township Clerk, Port Elgin.

Sault Ste. Marie, Tn.—Public utilities owned and operated by Lake Superior Corporation. Number of buildings erected 61; cost $125,000. Amount expended on permanent improvements $23,000. Amount expended on sanitation $2,300. C. J. Pim, Town Clerk, Sault Ste. Marie.

Scugog, Tp.—Good opening for fruit growing. Number of buildings erected 2; cost about $4,000. Amount expended on permanent improvements $350. Thos. Graham, Township Clerk, Port Perry.

Seaforth, Tn.—Owns and operates waterworks for fire purposes; value $13,000. Good opening for woollen mill; two-set mill idle. Number of buildings erected 5; cost about $7,000. Amount expended on permanent improvements $7,000. J. A. Wilson, Town Clerk, Seaforth.

Sebastopol, Tp.—No new buildings erected. Amount expended on permanent improvements $57. C. Walther, Township Clerk, Vanbrugh P. O.

Seneca, Tp.—Number of buildings erected 2; cost $5,000. Amount expended on permanent improvements $1,000. N. H. Wickett, Township Clerk, York P. O.

Seymour, Tp.—Electric light plant started. Good openings for industries needing cheap power. Amount expended on permanent improvements $6,298. J. B. Ferris, Township Clerk, Campbellford.

Sheffield, Tp.—Two grain crackers started. Good opening for flour mill. Number of buildings erected 2; cost $1,000. Amount expended in permanent improvements $1,098. Jas. Aylsworth, Township Clerk, Tamworth.

Shelburne, V.—Owns and operates waterworks; cost $19,000. Number of buildings erected 10; cost $10,000. Amount expended on permanent improvement $6,000. Amount expended on sanitation $100. N. B. Allen, Village Clerk, Shelburne.

Sherborne, etc., Tps.—Number of buildings erected 2; cost about $1,000. Amount expended on permanent improvements $300. W. C. Sparks, Jr., Township Clerk, Dorset.

SHERBROOKE, Tp.—Number of buildings erected 4; cost about $5,000. Amount expended on permanent improvements $110. M. E. Dickson, Township Clerk, Stromness.

SHERBROOKE N., Tp.—See Dalhousie and N. Sherbrooke, Tps.

SHERBROOKE S., Tp.—No buildings erected. H. Rigney, Township Clerk, Maberly P. O.

SHERWOOD, Tp.—See Hagarty, etc., Tps.

SIDNEY, Tp.—Cooperage started. Good openings for various industries; power furnished by dams on canal. Amount expended on permanent improvements $4,160. Amount expended on sanitation $194. A. M. Chapman, Township Clerk, Frankford.

SIMCOE, Tn.—Rural telephone system started. Owns and operates waterworks; cost $76,000. Good opening for factory for robes, coats and mitts; for woodworking industries, and for condensed milk factory. Number of buildings erected 28; cost $62,000, including new postoffice costing $35,000. Amount expended on permanent improvements $5,300. W. C. McCall, Town Clerk, Simcoe.

SMITH, Tp.—Number and cost of buildings erected not known. Amount expended on permanent improvements $2,568. F. J. Bell, Township Clerk, Peterborough.

SMITH'S FALLS, Tn.—Owns and operates waterworks; cost $235,000. Good openings for industries of almost any description. Number of buildings erected 45; cost $90,000. Amount expended on sanitation $3,230. J. A. Lewis, Town Clerk, Smith's Falls.

SNOWDEN, Tp.—Amount expended on permanent improvements $751, of which $500 was by Government. E. P. Munn, Township Clerk, Minden.

SOMBRA, Tp.—Good openings for creamery and grist mill. Amount expended on permanent improvements $2,776. Amount expended on sanitation $53. W. H. McGhee, Township Clerk, Wilkesport.

SOMERVILLE, Tp. Good opening for cement works with marl and clay handy, also factory for cross arms and pins, side blocks, etc. Amount expended on permanent improvements between $5,000 and $6,000. Sam. Suddaby, Township Clerk, Burnt River P. O.

SOPHIASBURG, Tp.—No new buildings erected. Amount expended on permanent improvements $439. C. H. Wright, Township Clerk, Demorestville.

SOUTH RIVER, V.—Good openings for any woodworking industry, such as basket factory, box factory or sash and door factory. Number of buildings erected 2; cost $1,800. Amount expended on permanent improvements $200. H. O. Boorse, Village Clerk, South River.

SOUTHAMPTON, Tn.—Owns and operates waterworks; cost $30,732. Good openings for any woodworking industries; excellent site for summer hotel. Number of buildings erected 13; cost $14,000. Amount expended on permanent improvements $2,852. Amount expended on sanitation $118. J. C. Eckford, Town Clerk, Southampton.

SOUTHWOLD, Tp.—Cheese factory, apple evaporator and grain warehouse started. Number of buildings erected about 8; cost from $12,000 to $15,000. Amount expended on permanent improvements $8,700. Malcolm Campbell, Township Clerk, Fingal.

SPRINGER, Tp.—Number of buildings erected 10 or 12; cost about $1,500. Amount expended on permanent improvements about $300. Onesime Lafrance, Township Clerk, Sturgeon Falls P. O.

SPRINGFIELD, V.—Good opening for brick and tile works, foundry, canning factory and general store. Number of buildings erected 3; cost about $7,500. J. B. Lucas, Village Clerk, Springfield.

STAFFORD, Tp.—Good opening for cement works with unlimited quantity of high grade marl, also for brick and tile works. Number of buildings erected 6; cost about $6,000. Amount expended on permanent improvements $1,500. John Kidd, Township Clerk, Stafford P. O.

STANHOPE, Tp.—Good openings for various industries with numerous water powers. Number of buildings erected 6; cost $4,500. Amount expended on permanent improvements $98. Wm. Cooper, Township Clerk, Baskung P. O.

STANLEY, Tp.—Number of buildings erected about 8; cost about $4,000. Amount expended on permanent improvements about $5,000. Amount expended on sanitation about $700. J. E. Harnwell, Township Clerk, Varna P. O.

STAYNER, Tn.—Owns and operates waterworks; cost $25,000. Good opening for canning factory. Number of buildings erected about 5; cost about $7,000. Amount expended on permanent improvements $427. Amount expended on sanitation $14. Alex. Hislop, Town Clerk, Stayner.

STEELTON, Tn.—Owns and operates waterworks; cost $33,316. Good opening for furniture factory, birch timber abounding. Number of buildings erected 10; cost about $6,800. Amount expended on permanent improvements $2,444. Amount expended on sanitation $1,161. J. Robinson, Town Clerk, Steelton

STEPHEN, Tp.—Number of buildings erected 4; cost $2,500. Amount expended on permanent improvements $1,029. Amount expended on sanitation $44. Henry Eilber, Township Clerk, Crediton.

STIRLING, V.—Good openings for stave factory, refrigerator factory and similar industries. Number of buildings erected 3; cost $37,000. Amount expended on permanent improvements $1,100. G. G. Thrasher, Village Clerk, Stirling.

STISTED, Tp.—Opening for general store. Number of buildings erected 5; cost about $13,000. Amount expended on permanent improvements $1,130, including $350 Government grant. Wm. Quinn, Township Clerk, Yearsley P. O.

STORRINGTON, Tp.—Number of buildings erected about 20. Amount expended on permanent improvements $2,500. H. J. Moreland, Township Clerk, Sunbury.

STOUFFVILLE, V.—Owns and operates waterworks; cost $25,000. Good opening for foundry and machine shop. One building erected; cost about $500. Amount expended on permanent improvements $1,545. J. Urquhart, Village Clerk, Stouffville.

STRATFORD, C.—Owns and operates waterworks; cost $200,287. Good openings for stove factory, wagon factory, twine factory, iron bedstead factory, box factory, tannery, rubber goods factory, carpet factory, shoe factory, button factory, trunk factory and soap factory. Number of buildings erected 72; cost $136,545. Amount expended on permanent improvements $16,336. Amount expended on sanitation $11,137, including $6,846 for sewers. R. R. Lang, City Clerk, Stratford.

STRATHROY, Tn.—Piano factory started and furniture factory enlarged. Owns and operates waterworks and electric light plant; cost $63,385. Good openings for ready-made clothing factory, knitting factory, machine shop, etc. Number of buildings erected 13; cost $37,800. Amount expended on permanent improvements about $6,000. Amount expended on sanitation $800. R. Diprose, Town Clerk, Strathroy.

Streetsville, V.—Owns and operates power plant; value $22,000. Good opening for various industries with plenty of power. Number of buildings erected 4; cost $12,700. Amount expended on permanent improvements $687. Amount expended on sanitation $10. S. H. Smith, M. D., Village Clerk, Streetsville.

Strong, Tp.—Good opening for cement factory, brickyard or grist mill. Number of buildings erected 2 or 3; cost about $2,000. Amount expended on permanent improvements about $2,000. A. M. Church, Township Clerk, Sundridge.

Sturgeon Falls, Tn.—Owns and operates waterworks; cost $16,812. Good openings for flour mill and foundry. Number of buildings erected 2; cost $4,500. Amount expended on permanent improvements $1,936, including $955 for waterworks. Amount expended on sanitation $509 for sewers. J. D. Cockburn, Town Clerk, Sturgeon Falls.

Sturgeon Point, V.—Number of buildings erected 2 or 3; cost about $1,000. Amount expended on permanent improvements $100. Amount expended on sanitation $133. G. H. Hopkins, Village Clerk, Lindsay.

Sudbury, Tn.—Brick works started. Owns and operates waterworks and electric lighting; cost $106,435. Good openings for any industries. Number of buildings erected about 60; cost $200,000 to $250,000. Amount expended on permanent improvements $5,800. G. Elliott, Town Clerk, Sudbury.

Sullivan, Tp.—Number of buildings erected about 10; cost about $10,000. Amount expended on permanent improvements, $2,108. Amount expended on sanitation $66. A. Stephen, Township Clerk, Desboro P. O.

Sundridge, V.—Good openings for factories for cheese boxes, broom handles and other small woodenware. No new buildings erected. Amount expended on permanent improvements $200. John Harper, Village Clerk, Sundridge.

Sunnidale, Tp.—Good opening for cheese factory or creamery, also for cement works with vast deposits of marl contiguous to waterway. Number of buildings erected 20; cost $5,000. Amount expended on permanent improvements $3,100, including $1,100 by county. Thos. F. Burrows, Township Clerk, Stayner.

Sutton, V.—Good opening for creamery or for woollen mill. Number of buildings erected 8; cost $9,000 or $10,000. Amount expended on permanent improvements $350. Amount expended on sanitation $10. T. G. Tremayne, Village Clerk, Sutton West P. O.

Sydenham, Tp.—Number of buildings erected about 5; cost $4,050. Amount expended on permanent improvements $6,986. Jas. Cannon, Township Clerk, Annan P. O.

Tarbutt and Tarbutt Additional, Tps.—See Johnson, Tarbutt, etc., Tps.

Tara, V.—Good openings for industries of any description. No new buildings erected. W. J. Taylor, Village Clerk, Tara.

Tarentorus and St. Mary's, Tps.—Number of buildings erected 7; cost about $1,950. Amount expended on permanent improvements $2,634. B. R. McMullin, Township Clerk, Sault Ste. Marie.

Tecumseth, Tp.—Number of buildings erected about 5; cost about $5,500. Amount expended on permanent improvements $3,000. Wm. Lilly, Township Clerk, Beeton.

Teeswater, V.—Owns and operates waterworks for fire protection; cost about $1,400. Good opening for apple evaporator and woodworking industries. Number of buildings erected 3; cost about $5,000. Amount expended on permanent improvements about $1,200. John Farquhar, Village Clerk, Teeswater.

TEHKUMMAH, Tp.—Good opening for speckled trout hatchery. Amount expended on permanent improvement $1,400, including $400 Government grant. Jas. E. Hopkin, Township Clerk, Tehkummah P. O.

THAMESVILLE, V.—Owns and operates electric light plant; cost $6,250. Good opening for creamery and pork packing establishment. One new building erected; cost $3,000. Amount expended on permanent improvements $1,050. W. J. Cryderman, Village Clerk, Thamesville.

THEDFORD, V.—Number of buildings erected 3; cost $1,600. Amount expended on permanent improvements $700. Amount expended on sanitation $30. Wm. Brooks, Village Clerk, Thedford.

THESSALON, Tn.—Lumber and salt mill and smelting and refining works started. Owns and operates waterworks; cost $25,280, and electric light plant; cost $11,230. Good openings for planing mill, box factory or other woodworking industry; excellent lake and rail shipping facilities. Number of buildings erected 15; cost $35,000. Amount expended on permanent improvements about $5,000. C. A. Batson, Town Clerk, Thessalon.

THESSALON, Tp.—Number of buildings erected 4; cost about $5,300. Amount expended on permanent improvements $600. Theo. E. Clinton, Township Clerk, Thessalon.

THOMPSON, Tp.—Good opening for sawmill, brush factory and blacksmith shop. Amount expended on permanent improvements $58. Wm. Rowan, Township Clerk, Dean Lake P. O.

THORNBURY, Tn.—Good openings for planing mill and other woodworking plants. Number of buildings erected 4; cost about $5,000. Edw. Rorke, Town Clerk, Thornbury.

THOROLD, Tn.—Wood pulp factory started. Owns and operates waterworks; cost $100,000; electric light plant, cost $45,000. Opening for industries of every character; transportation facilities by rail and water. Number of buildings erected 3; cost $14,000. D. J. C. Munro, Town Clerk, Thorold.

THOROLD, Tp.—Openings for industries; cheap electric power, transportation by Welland Canal, electric railway, etc. Number of buildings erected 7; cost about $5,600. Amount expended on permanent improvements $2,940 A. M. Clark, Township Clerk, Fonthill.

THORAH, Tp.—Number of buildings erected 6; cost $5,600. Amount expended on permanent improvements $1,133. Amount expended on sanitation $39. John McArthur, Township Clerk, Beaverton.

THURLOW, Tp.—Good openings for canning factory, woollen mill or cement plant. Number of buildings erected 4; cost about $20,000. Amount expended on permanent improvements about $4,000. Chas. A. Callery, Township Clerk, Cannifton.

TILBURY, V.—Owns and operates waterworks; cost $16,176. Good openings for brick and tile yard, glass factory, pork packing establishment, creamery and other industries. Number of buildings erected 11; cost $10,200. Amount expended on permanent improvements $1,336. Amount expended on sanitation $1,295. A. A. Wilson, Village Clerk, Tilbury.

TILBURY E., Tp.—Manufactures concrete sewer pipe for itself and other municipalities. Very little expenditure on permanent improvements or sanitation. Alex. Farquharson, Township Clerk, Fletcher P. O.

TILBURY N., Tp.—Canning works started. Good openings for cheese and butter factories. No new buildings erected. Amount expended on permanent improvement $1,000. J. A. Tremblay, Township Clerk, Tilbury.

Tilbury W., Tp.—Number of buildings erected 10; cost $12,000. Amount expended on permanent improvements $1,000. Amount expended on sanitation $55. S. T. Anderson, Township Clerk, Comber P. O.

Tillsonburg, Tn.—Condensed milk factory, pork packing factory and linen mills started. Good openings for various industries. Number of buildings erected about 63; cost about $179,000, including condensed milk factory $75,000 and the other 2 factories $12,000 each. Amount expended on permanent improvements $2,000. Amount expended on sanitation $900. Alfred E. Raynes, Town Clerk, Tillsonburg.

Tiny, Tp.—Sawmill started. Number of buildings erected 24; cost $20,000. Amount expended on permanent improvements $1,000. M. Beaudoin, Township Clerk, Lafontaine P. O.

Tiverton, V.—No new buildings erected. Amount expended on permanent improvements $506. A. E. Ord, Village Clerk, Tiverton.

Torbolton, Tp.—Good opening for brick and tile yard. Amount expended on permanent improvements $706. D. B. Maclaren, Township Clerk, Dirleton.

Toronto, C.—Electric lamp factory, leather goods factory, fireproof building material factory, cement burial vaults factory, chicle gum factory and small metalwares factory started. Owns and operates waterworks; value $6,000,000. Good openings for smelters, iron manufactures of all descriptions. Number of buildings erected 5,285; value $13,156,652. Amount expended on permanent improvements, $1,610,000. Amount expended on sanitation $525,000. W. A. Littlejohn, City Clerk, Toronto.

Toronto, Tp.—Three branch banks opened. Number of houses erected 14; cost $16,000. Amount expended on permanent improvements $15,000. Amount expended on sanitation $127. Ch. H. Gill, Township Clerk, Dixie.

Toronto Gore, Tp.—Buildings erected cost about $10,000. Amount expended on permanent improvements $6,300. N. Harrison, Township Clerk, Castlemore P. O.

Toronto East, Tn.—Now in Toronto City. Owns and operates waterworks and electric lighting plant; cost $62,000. Number of buildings erected 30; cost $17,500. Amount expended on permanent improvements about $8,000. W. Clay, Town Clerk, 2178 Gerrard St., Toronto.

Toronto North, Tn.—Owns and operates waterworks and lighting plant; cost $105,000. Number of buildings erected 90; cost $131,175. Amount expended on permanent improvements $22,108. Amount expended on sanitation $50. W. J. Douglas, Town Clerk, Eglinton P. O.

Toronto West, C.—Owns and operates waterworks, value $200,000; electric light plant, value $25,000. Good openings for any kind of industry; good water facilities, electric plant and street railway facilities. Number of buildings erected 400; cost $1,000,000. Amount expended on permanent improvements $115,000. Amount expended on sanitation $8,000. W. J. Conron, City Clerk, West Toronto.

Tossorontio, Tp.—Number of buildings erected 3; cost $3,000. Amount expended on permanent improvements $1,200. Thos. Irwin, Township Clerk, Lisle P. O.

Tottenham, V.—Owns and operates electric light plant; cost $8,000. Number of buildings erected 3; cost about $6,000. Amount expended on permanent improvements about $500. L. C. Hughes, Village Clerk, Tottenham.

Townsend, Tp.—Number of buildings erected about 20; cost about $10,000. Amount expended on permanent improvements $4,314. Jas. Ross, Township Clerk, Waterford P. O.

Trafalgar, Tp.—Amount expended on permanent improvements $18,000. Ch. Hall, Township Clerk, Trafalgar P. O.

Trenton, Tn.—Grill works, boat building plant, wood and lumber yard and moving pictures started. Owns water power and interest in dam, value $75,000. Public utilities owned and operated by Trenton Electric and Water Co., Ltd. Good openings for marble works, concrete works, brass foundry, departmental store, fruit evaporator, casket factory, cabinet works, cement works making bricks, etc. Number of buildings erected 19; cost $24,000. Amount expended on permanent improvements $7,930. Amount expended on sanitation $750. G. W. Ostrom, Town Clerk, Trenton.

Tuckersmith, Tp.—Number of buildings erected 26; cost $37,000. Amount expended on permanent improvements $15,000. A. G. Smith, Township Clerk, Hensall.

Tudor and Cashel, Tps.—Good opening for stave and heading factory. Buildings erected cost about $2,100. Amount expended on permanent improvements $1,438. Ch. Donaldson, Township Clerk, Millbridge P. O.

Turnberry, Tp.—Amount expended on permanent improvements $1,760. Amount expended on sanitation $46. John Burgess, Township Clerk, Bluevale P. O.

Tweed, V.—Good openings for woollen mill, canning factory, stave factory and small woodenware factory. Number of buildings erected 6; cost $5,000. Amount expended on permanent improvements $1,200. Wm. Wray, Village Clerk, Tweed.

Usborne, Tp.—Good openings for butter, cheese and condensed milk factories. Number of buildings erected about 5; cost about $6,000. Amount expended on permanent improvements about $3,700 for roads and bridges, besides large expenditures on drainage under drainage acts. Francis Morley, Township Clerk, Whalen P. O.

Uxbridge, Tn.—Owns and operates waterworks for fire protection; cost $15,000. No new buildings erected. Amount expended on permanent improvements $800. Amount expended on sanitation $1,800. J. W. Gould, Town Clerk, Uxbridge.

Uxbridge, Tp.—Number of buildings erected about 12; cost about $15,000. Amount expended on permanent improvements $1,248. Jas. H. Millard, Township Clerk, Altona P. O.

Van Horne, Tp.—Pulp and paper mill, brickyard, railway tie mill, sawmill, and blacksmith shop started. Good openings for grist mill, box factory, furniture or any other industry requiring water power. Number of buildings erected 27; cost $20,000. Amount expended on permanent improvements $1,000. Amount expended on sanitation $100. A. L. Orris, Township Clerk, Dryden, P. O.

Vankleek Hill, Tn.—Good openings for carriage shop, foundry and canning factory for small fruit. Number of buildings erected 9; cost $12,000. H. C. Jones, Town Clerk, Vankleek Hill.

Vaughan, Tp.—Number of buildings erected about 40; cost about $40,000. Amount expended on permanent improvements about $10,000. J. B. McLean, Township Clerk, Maple.

Verulam, Tp.—Good opening for factory at Little Bob; water power owned and operated by Bobcaygeon municipality. Number of buildings erected about 6; estimated value $5,000. Amount expended on permanent improvements $2,800. Geo. W. Taylor, Township Clerk, Bobcaygeon.

VESPRA, Tp.—Good opening for glass factory. Number of buildings erected about 40; cost about $33,600. Amount expended on permanent improvements $1,350. Amount expended on sanitation $60. A. B. Coutts, Township Clerk, Midhurst P. O.

VIENNA, V.—Good opening for boring for gas. No new buildings erected. Amount expended on permanent improvements $606. S. S. Clutton, Village Clerk, Vienna.

WAINFLEET, Tp.—Evaporator started. Good opening for other evaporators. Amount expended on sanitation $5,410. Jos. Henderson, Jr., Township Clerk, Marshville P. O.

WALKERTON, Tn.—Owns and operates waterworks; cost $14,227. Good openings for hosiery factory and canning factory. Number of buildings erected 5; cost $17,200. Amount expended on sanitation $31. J. H. Scott, Town Clerk, Walkerton.

WALKERVILLE, Tn.—Iron fence manufactory started. Openings for any new industry. Number of buildings erected 26; cost $90,000. Amount expended on permanent improvements $6,000. Amount expended on sanitation $1,000. Cecil H. Robinson, Town Clerk, Walkerville.

WALLACE, Tp.—Number of buildings erected 4; cost about $2,100. Amount expended on permanent improvements $1,375. Amount expended on sanitation $255. R. G. Roberts, Township Clerk, Shipley P. O.

WALLACEBURG, Tn.—Gas works started. Openings for any kind of industries; good shipping facilities by water and rail. Number of buildings erected 18; cost $120,625. Amount expended on permanent improvements $2,150. Amount expended on sanitation $14. H. E. Johnson, Town Clerk, Wallaceburg.

WALSINGHAM N., Tp.—Number of buildings erected 5; cost $8,000. Amount expended on permanent improvements $2,500. Edgar J. Hodson, Township Clerk, Langton.

WALPOLE, Tp.—Pickle factory started in village of Jarvis. Good opening for brickyard. Number of buildings erected 30; cost $25,000. Amount expended on permanent improvements $9,921, including $3,700 for sidewalks in Jarvis village. Amount expended on sanitation $161. S. A. Thompson, Township Clerk, Nanticoke.

WARDSVILLE, V.—Good openings for woollen mill, canning factory, sawmill or planing mill. No new buildings erected. Amount expended on permanent improvements $190. Amount expended on sanitation $25. W. A. Minna, Village Clerk, Wardsville.

WARWICK, Tp.—Amount expended on permanent improvements about $4,000. N. Herbert, Township Clerk, Warwick.

WATERDOWN, V.—Number of buildings erected 5; cost $7,500. Amount expended on permanent improvements $700. Amount expended on sanitation $20. J. C. Medlar, Village Clerk, Waterdown.

WATERFORD, V.—Telephone factory in course of erection. Good openings for sash and door factory and machine shop. Number of buildings erected 4; cost $4,000. Amount expended on permanent improvements $2,250. Jas. Ross, Village Clerk, Waterford.

WATERLOO, Tn.—Owns and operates waterworks, cost $82,000; gas plant, cost $30,000. Good openings for furniture factory and whitewear factory. Number of buildings erected about 20; cost about $30,000. Amount expended on per-

manent improvements $2,324. Amount expended on sanitation $5,056 for sewers. F. S. Kumpf, Town Clerk, Waterloo.

WATERS, Tp.—Portable sawmill started. Number of buildings erected 6; assessed value $3,300. Amount expended on permanent improvements $523. P. G. Gaudrault, Township Clerk, Copper Cliff.

WATFORD, V.—Good openings for foundry and machine shop. No new buildings erected. Amount expended on permanent improvements $5,300. W. S. Fuller, Village Clerk, Watford.

WATT, Tp.—Number of buildings erected about 10; cost about $5,000. Amount expended on permanent improvements $450. Edw. Hamilton, Township Clerk, Raymond P. O.

WAWANOSH E., Tp.—Good openings for implement shop, canning or evaporator factory. Buildings erected value $2,200. Amount expended on permanent improvements $2,356. Alex. Porterfield, Township Clerk, Marnoch P.O.

WAWANOSH W., Tp.—Amount expended on permanent improvements $500. W. S. McCrostie, Township Clerk, St. Helens P. O.

WEBBWOOD, Tn.—Amount expended on permanent improvements about $100. S. Hawkins, Town Clerk, Webbwood.

WELLAND, Tn.—Owns and operates waterworks; cost $87,429. Openings for almost any kind of industry. Number of buildings erected, about 150; cost $600,000. Amount expended on permanent improvements $18,078. Amount expended on sanitation. $30,017. George R. Boyd, Town Clerk, Welland.

WELLESLEY, Tp.—Number of buildings erected about 19; cost about $21,500. Amount expended on permanent improvements $3,363. Amount expended on sanitation $250. P. F. Schummer, Township Clerk, St. Clements P. O.

WELLINGTON, V.—Openings for almost any industry, except canning factories. Number of buildings erected 22; cost $30,000. Amount expended on permanent improvements $600. Amount expended on sanitation $200. E. A. Titus, Village Clerk, Wellington.

WEST LORNE, V.—Buildings erected at cost of $6,000. Amount expended on permanent improvements $62. Amount expended on sanitation $607. J. S. Robertson, Village Clerk, Box 13, St. Thomas.

WESTMINSTER, Tp.—Amount expended on permanent improvements $1,283. Amount expended on sanitation $788. Geo. Riddell, Township Clerk, Odell P.O.

WESTON, V.—Owns and operates electric light plant; cost between $11,000 and $12,000. Good openings for almost any kind of manufacturing. Number of buildings erected about 12 or 15; cost about $20,000. Amount expended on permanent improvements about $1,500. Amount expended on sanitation $300 or $400. J. H. Taylor, Village Clerk, Weston.

WESTPORT, V.—Gasoline launch and boat factory started. Good openings for malleable iron foundry. No new buildings erected. Amount expended on permanent improvements about $1,600. W. S. Ripley, Village Clerk, Westport.

WHITBY, Tn.—Owns and operates waterworks and electric light plant; cost $80,000. Good openings for any kind of industry. Number of buildings erected ; cost $16,800. Amount expended on permanent improvements $1,500. Jos. White, Town Clerk, Whitby.

WHITBY, E., Tp.—Number of buildings erected 6; cost $10,000. Amount expended on permanent improvements $200. Wm. Purves, Township Clerk, Columbus P. O.

WHITCHURCH, Tp.—Number of buildings erected 11; cost $17,500. Amount expended on permanent improvements $2,600. J. C. Lundy, Township Clerk Newmarket.

WIARTON, Tn.—Owns and operates waterworks; cost $50,572. Good opening for brickyard, brewery, distillery, or any large factory; buildings erected for beet sugar factory, with 11 acres of land and 16 acres of water lots available. Amount expended on permanent improvements $2,653, for concrete sidewalks. W. J. Ferguson, Town Clerk, Wiarton.

WICKLOW, Tp.—See Bangor, McClure and Wicklow, Tps.

WIDDIFIELD, Tp.—Number of buildings erected 50; cost $4,000. Amount expended on permanent improvements $2,380. J. A. Carmichael, Township Clerk North Bay.

WILLIAMS E., Tp.—Amount expended on permanent improvements $1,524 D. A. Stewart, Township Clerk, Nairn P. O.

WILLOUGHBY, Tp.—Smelter started. Good openings for drilling for natura gas. Number of buildings erected 4; cost $6,000. Amount expended on permanent improvements $500. Donald Dell, Township Clerk, Chippawa.

WILMOT, Tp.—Good opening for foundry. Number of buildings erected about 20; cost about $30,000. Amount expended on permanent improvements $5,000 Amount expended on sanitation $600. F. Holwell, Township Clerk, Baden.

WINCHESTER, Tp.—Amount expended on permanent improvements abou $2,000. Geo. Quart, Township Clerk, Winchester.

WINCHESTER V.—Opening for any industry. One building erected; cost $21,000. Amount expended on permanent improvements $5,000. H. McMaster Village Clerk, Winchester.

WINDHAM, Tp.—Saw and shingle mill started. Amount expended on permanent improvements $3,894. Amount expended on sanitation $100. Robt Green, Township Clerk, Windham Centre P. O.

WINDSOR, C.—Stove polish factory started. Owns and operates waterworks cost $300,000; electric light plant; cost $42,000, including $5,000 for lamps Good opening for any industries dependant upon superior water and rail transportation facilities. Number of buildings erected 131; cost $300,000. Amount expended on permanent improvements $61,280. Amount expended on sanitation $8,065, including $3,707 for sewers. Stephen Lusted, City Clerk, Windsor.

WINGHAM, Tn.—Owns and operates waterworks; value $36,800; electric light plant, value $30,000. Good openings for casket factory, boot and shoe factory ready-made clothing factory; town would furnish electric power and water. Number of buildings erected 6; cost about $10,000. Amount expended on permanent improvements $11,000. J. B. Ferguson, Town Clerk, Wingham.

WOLFE ISLAND, Tp.—Owns and operates steam ferry; cost $20,000. Good opening for canning factory. Number of buildings erected 2; cost about $3,000 D. J. Dawson, Township Clerk, Kingston.

WOLFORD, Tp.—Good opening for grist or flour mill combined with sawmill Amount expended on permanent improvements about $1,000. H. S. Moffatt, Township Clerk, Jasper.

WOLLASTON, Tp.—Good openings for mining. Amount expended on permanent improvements $600. W. H. Nugent, Township Clerk, Coe Hill.

WOOD, Tp.—See Medora and Wood Tps.

WOODBRIDGE, V.—Wire screen windows and doors factory about to star Good opening for any kind of industry. Number of buildings erected 2; cos

about $2,000. Amount expended on permanent improvements about $500. Edw. Brown, Village Clerk, Woodbridge.

Woodhouse, Tp.—Creamery and grinding clover hay started. Good openings for concrete tile works, cement, brick works, butter factory and condensed milk factory. Number of buildings erected 30; cost $33,000. Amount expended on permanent improvements $2,000, besides statute labour. Amount expended on sanitation $40. F. Bowlby, Township Clerk, Simcoe.

Woodstock, C.—Owns and operates waterworks; value about $175,000; electric light plant; cost about $70,000. Good openings for iron or brass industries, boot and shoe factory; municipality can furnish power at low rates to small industries. Number of buildings erected 14; cost about $81,000. Amount expended on permanent improvements $3,725. Amount expended on sanitation $3,775. John Morrison, City Clerk, Woodstock.

Woodville, V.—Owns and operates electric light plant (connection from Cannington); cost $1,200. Good openings for most kinds of industries. No new buildings erected. Amount expended on permanent improvements about $150. Amount expended on sanitation about $15. J. C. Gilchrist, Village Clerk, Woodville.

Woolwich, Tp.—Number of buildings erected 22; cost $18,500. Amount expended on permanent improvements $5,145. W. J. Snider, Township Clerk, Conestogo.

Worthington and Blue, Tps.—Two small sawmills started. Good opening for any woodworking industry. Number of buildings erected 7; cost about $1,800. Amount expended on permanent improvements $3,650, including $2,500 Government grant. Holger Engebretsen, Township Clerk, Sleeman P. O.

Wroxeter, V.—Good opening for building contractor, also for evaporator. No new buildings erected. Amount expended on permanent improvements $163. J. Brethaur, Village Clerk, Wroxeter.

Wylie, Tp.—See Rolph, etc., Tps.

Wyoming, V.—Planing mill and cheese factory started. Good opening for canning factory. Number of buildings erected 4; cost about $17,500. H. G. Taylor, Village Clerk, Wyoming.

Yonge Front, Tp.—No new buildings erected. Amount expended on permanent improvements $300. F. H. Mallory, Township Clerk, Mallorytown P. O.

Yonge and Escott Rear, Tps.—Grist mill started. Good openings for sawmill and cheese box factory. Number of buildings erected 2; cost about $2,000. Amount expended on permanent improvements $620, besides statute labour. Amount expended on sanitation about $25. R. E. Cornell, Township Clerk, Athens P. O.

York, Tp.—Number of buildings erected about 180; cost about $210,000. Amount expended on permanent improvements $29,551. Amount expended on sanitation $374. W. A. Clarke, Township Clerk, 40 Jarvis St., Toronto.

Zone, Tp.—No new buildings erected. Amount expended on permanent improvements $800. Henry Osborne, Township Clerk, Dante.

Zorra E., Tp.—Natural gas plant started. Good opening for tile yard. Number of buildings erected about 20; cost about $24,000, besides many remodeled. Amount expended on permanent improvements about $13,000. Amount expended on sanitation $144. Jas. Anderson, Township Clerk, Hickson P. O.

Zorra W., Tp.—Good openings for brick and tile works, and for flax mill. Number of buildings erected about 12; cost about $12,000. Amount expended on permanent improvements about $5,000. E. L. Sutherland, Township Clerk, Embro P. O.

STATISTICS TABULATED.

The statistics in the foregoing reports by the municipal clerks have been tabulated as follows, plainly exhibiting the very considerable expenditure on new buildings, permanent improvements and sanitation. There is also continued the very useful and interesting feature introduced last year—the public utilities owned and operated by the municipalities with the capital thus invested:

MUNICIPAL STATISTICS.

(C. city; Tn. town; V. village; Tp. township.)

Cities, Towns, Villages and Townships.	No. new buildings erected during 1908.	Aggregate cost of buildings.	Spent on permanent improvements.	Spent on sanitation, including sewers.	Cost or value public utilities owned and operated.
	No.	$	$	$	$
Acton, V	10	12,000			8,000
Adelaide, Tp			2,900		
Admaston, Tp	5	7,000	1,000		
Adolphustown, Tp			200		
Ailsa Craig, V	1	1,500	998		
Albemarle Tp	6	7,200	2,408		
Alberton, Tp			3,100		
Albion, Tp	10	10,000	6,000	50	
Alexandria, Tn			809		9,416
Alfred, Tp	15	7,500	2,000	25	
Algona S., Tp			1,914		
Alice & Fraser, Tps			250		
Alliston, Tn	12	35,000	3,526	300	19,000
Almonte, Tn					40,000
Alnwick, Tp	2	1,000	2,000	25	
Alvinston, V	6	8,700	200	25	
Amabel, Tp	12	6,000	2,834		
Amaranth, Tp	6	6,000	7,800		
Ameliasburg, Tp			1,500	168	
Amherst Island, Tp			738		
Amherstburg, Tn	17	35,000	6,000	4,500	50,000
Ancaster, Tp			1,282	184	
Anderdon, Tp			1,000		
Anson & Hindon Tps	5	4,000	200		
Arkona, V	3	2,000			
Armour, Tp	3	1,000	1,286		
Arnprior, Tn	13	6,500	13,338	1,962	115,000
Arran, Tp	10	8,000	2,000		
Artemesia, Tp			3,792	66	
Arthur, Tp	12	10,000	2,000		
Arthur, V	10	15,000	1,200		
Ashfield, Tp			4,000		
Assiginack, Tp	4	12,500	1,625		
Athens, V	5	5,200	8,575		
Athol, Tp	3	2,600	2,750		
Atwood, Tp			100		
Augusta, Tp	4	2,000	8,000		
Aurora, Tn	9	20,000	5,000		27,000
Aylmer, Tn	32	150,000	4,860	1,003	125,000
Ayr, V			500		
Bagot & Blythefield, Tps	2	1,000	1,500		
Bancroft, V			600		

MUNICIPAL STATISTICS.—*Continued.*

Cities, Towns, Villages and Townships.	No. new buildings erected during 1908.	Aggregate cost of buildings.	Spent on permanent improvements.	Spent on sanitation, including sewers.	Cost or value public utilities owned and operated.
	No.	$	$	$	$
Bangor, McClure & Wicklow, Tps.	6	5,000	600	20	.....
Barrie, Tn.	60	130,000	2,000	400	193,994
Barrie, Tp.	.....	.....	6,000	.....	.....
Barton, Tp.	.....	.....	2,500	600	.....
Bastard & Burgess S., Tps.	7	11,000	6,967	139	.....
Bath, V.	.....	.....	300	.....	.....
Bathurst, Tp.	12	10,000	475	30	.....
Bayfield, V.	.....	.....	2,700	.....	.....
Bayham, Tp.	.....	.....	3,000	.....	.....
Beamsville, V.	14	15,000	5,000	.....	20,000
Beaverton, V.	7	10,800	2,617	13	.....
Bedford, Tp.	6	7,000	1,800	4	.....
Beeton, V.	3	5,000	1,000	.....	31,000
Belle River, V.	6	4,400	1,260	.....	.....
Belleville, C.	50	150,000	25,000	12,000	290,000
Belmont & Methuen, Tps.	.....	.....	2,000	.....	.....
Bentinck, Tp.	3	3,000	4,950	113	.....
Berlin, Tn.	35	175,000	57,302	10,217	621,158
Bertie, Tp.	55	91,500	8,000	120	.....
Beverly, Tp.	8	14,400	2,677	.....	.....
Bexley, Tp.	3	2,100	800	.....	.....
Biddulph, Tp.	.....	.....	7,789	31	.....
Billings, Tp.	.....	.....	1,500	.....	.....
Binbrook, Tp.	6	8,000	1,500	.....	.....
Blandford, Tp.	13	7,000	2,500	28	.....
Blanchard, Tp.	.....	.....	6,000	.....	.....
Blenheim, Tn.	.....	.....	1,000	.....	9,000
Blenheim, Tp.	8	12,700	6,929	48	.....
Blezard, Tp.	4	2,200	1,400	.....	.....
Bloomfield, V.	2	2,400	1,200	.....	.....
Blyth, V.	3	5,500	500	100	.....
Bobcaygeon, V.	6	14,500	900	.....	25,000
Bolton, V.	4	14,000	.....	.....	.....
Bonfield, Tn.	6	14,700	567	75	.....
Bonfield, Tp.	20	10,000	109	8	.....
Bosanquet, Tp.	12	6,960	3,350	.....	.....
Bothwell, Tn.	3	2,500	500	.....	10,500
Bowmanville, Tn.	1	2,500	2,500	.....	.....
Bracebridge, Tn.	3	4,000	6,000	.....	100,000
Bradford, Tn.	6	10,000	1,500	.....	.....
Brampton, Tn.	20	40,000	15,000	50,000	100,000
Brant, Tp.	8	13,100	340	.....	.....
Brantford, C.	280	250,000	108,031	36,995	415,000
Bridgeburg, V.	20	50,000	4,000	.....	48,893
Brighton, Tp.	5	10,000	15,000	60	.....
Brighton, V.	4	10,000	1,600	25	.....
Brock, Tp.	10	15,000	8,085	150	.....
Brockville, Tn.	31	111,650	6,700	907	405,000
Bromley, Tp.	1	1,500	700	.....	.....
Brooke, Tp.	12	8,000	10,602	30	.....
Brougham, Tp.	.....	.....	75	.....	.....
Bruce, Tp.	7	4,200	3,278	.....	.....
Bruce Mines, Tn.	.....	.....	570	.....	.....
Brudenell & Lynedoch, Tps.	.....	.....	842	.....	.....
Brunel, Tp.	2	1,000	500	.....	.....
Brussels, V.	.....	.....	405	.....	.....

MUNICIPAL STATISTICS.—*Continued.*

Cities, Towns, Villages and Townships.	No. new buildings erected during 1908.	Aggregate cost of buildings.	Spent on permanent improvements.	Spent on sanitation, including sewers.	Cost or value public utilities owned and operated.
	No.	$	$	$	$
Bucke, Tp.	3	3,000	1,000		
Burford, Tp.	12	25,000	5,500	35	
Burgess N., Tp.	1	1,800	150		
Burks Falls, V.	14	40,000	500		37,000
Burleigh & Anstruther, Tps.			1,025		
Burlington, V.	10	15,000	4,963		
Burpee, Tp.	1	800	600		
Cache Bay, Tn.	5	2,400		20	
Caistor, Tp.	12	1,200	1,800		
Caldwell, Tp.	12	6,000	2,000		
Caledon, Tp.			2,700		
Caledonia, Tp.	3	10,000	1,204		
Caledonia, V.	4	5,000	10,000	800	
Calvin, Tp.	2	1,200	2,400		
Cambridge, Tn.					
Camden, Tp.	10	10,000	1,540		
Camden E., Tp.	5	7,000	2,782		
Cameron, Tp.					
Campbellford, Tn.	40	60,000			240,000
Canboro, Tp.	10	11,300	1,600		
Cannington, V.			4,000		
Caradoc, Tp.	20	30,000	5,000		
Cardiff, Tp.			816		
Cardinal, V.	2	2,000	727		
Cardwell, Tp.	5	4,000	250		
Carleton Place, Tn.			4,000		
Carling, Tp.	2	1,000			
Carlow, Tp.	5	1,850	400		
Carnarvon, Tp.			1,467		
Carrick, Tp.	22	38,000	600	75	
Cartwright, Tp.	9	9,700	1,033	17	
Casselman, V.	5	2,500	559	108	
Cavan, Tp.			5,214		
Cayuga, V.			800		
Cayuga N., Tp.	4	3,000	275		
Cayuga S., Tp.	2	1,500	300		
Chaffey, Tp.	12	9,000	3,000		
Chandos, Tp.			1,400		
Chapleau, Tp.	12	26,000	550		
Chapman, Tp.	5	2,700	300		
Chapple, Tp.			1,500		
Charlottenburgh, Tp.			4,715		
Charlotteville, Tp.			800		
Chatham, C.	41	63,642	35,544	1,185	218,000
Chatsworth, V.	1	1,500	1,000	8	
Chesley, Tn.	10	20,000	800	50	38,000
Chesterville, V.	5	35,000	1,700	29	
Chinguacousy, Tp.			5,000		
Chippawa, V.	3	3,500	600		1,000
Christie, Tp.	1	800	1,500		
Clarence, Tp.			2,194		
Clarendon & Miller, Tps.	1	400	95		
Clarke, Tp.	20	9,000	2,808	54	
Clifford, V.	7	15,500	2,500		2,800
Clinton, Tn.	4	12,000	3,394		

MUNICIPAL STATISTICS.—*Continued.*

Cities, Towns, Villages and Townships.	No. new buildings erected during 1908.	Aggregate cost of buildings.	Spent on permanent improvements.	Spent on sanitation, including sewers.	Cost of value public utilities owned and operated.
	No.	$	$	$	$
Clinton, Tp.	20	30,000	7,000	60	
Cobalt, Tn.	200	200,000	10,423	227	
Cobden, V.	5	3,000	300		
Cobourg, Tn.	15	167,500	600	750	
Cockburn Island, Tp.			300		
Colborne, Tp.			2,000		
Colborne, V.	4	8,030	2,210		
Colchester N., Tp.	6	6,000	10,500		
Colchester S., Tp.			2,100	50	
Coldwater, V.	13	40,000	200	500	
Coleman, Tp.			35,500		
Collingwood, Tn.	46	70,275	6,000		153,251
Collingwood, Tp.					
Copper Cliff, Tn.	4	8,000	1,184	318	
Cornwall, Tn.			5,614	3,460	139,747
Cornwall, Tp.	30	31,000	7,000	350	
Courtright, V.			526		
Cramahe, Tp.			2,402	15	
Creemore, V.			100	7	22,000
Crosby N., Tp.	3	3,000	1,162		
Crosby S., Tp.			2,022		
Crowland, Tp.	3	10,000	1,600		
Culross, Tp.			2,000	500	
Cumberland, Tp.	23	6,000	5,300		
Dalhousie & N. Sherbrooke, Tps.	10	2,000	1,000		
Darling, Tp.			200		
Dawn, Tp.			1,200		
Day & Bright, Tps.	3	1,000			
Delaware, Tp.	5	5,000	3,000	40	
Delhi, V.	4	4,500	673		
Denbigh, Abinger & Ashby, Tps.	7	2,600	692		
Derby, Tp.	12	14,000	4,581	178	
Dereham, Tp.			8,750		
Deseronto, Tn.	1	900	1,252	924	88,000
Dilke, Tp.	3	1,200	1,050		
Dorchester N., Tp.			3,000		
Dorchester S., Tp.			5,500		
Douro, Tp.	4	4,400	1,500		
Downie, Tp.	7	15,000	9,500	355	
Draper, Tp.			1,283		
Drayton, V.	3	2,100	2,764	200	
Dresden, Tn.	2	3,000		235	10,500
Drummond, Tp.			12,000	30	
Drury, Denison & Graham, Tps.	3	3,500	1,850	550	
Dumfries N., Tp.	7	7,000	1,000		
Dumfries S., Tp.	8	13,200	3,611		
Dummer, Tp.	4	3,200	1,200		
Dundalk, V.	3	7,000		2,700	6,000
Dundas, Tn.	30	50,750	8,510	912	60,000
Dunn, Tp.	6	4,000	300	8	
Dunnville, Tn.	43	52,000	3,500		30,000
Dunwich, Tp.			2,800		
Durham, Tn.	3	6,000	6,100		
Dutton, V.	4	2,000	2,100		
Dymond, Tp.	4	3,400	3,523		

MUNICIPAL STATISTICS.—*Continued.*

Cities, Towns, Villages and Townships.	No. new buildings erected during 1908.	Aggregate cost of buildings.	Spent on permanent improvements.	Spent on sanitation, including sewers.	Cost or value public utilities owned and operated.
	No	$	$	$	$
Easthope N., Tp.	10	10,000	1,000		
Easthope S., Tp.	2	4,300	2,607		
Eastnor, Tp.	6	10,000	920	5	
Eganville, V.	1	6,000	2,252	169	
Egremont, Tp.			5,796		
Ekfrid, Tp.	14	20,000	5,700		
Eldersile, Tp.	4	5,000	4,500	25	
Eldon, Tp.			5,000		
Elizabethtown, Tp.			4,345	267	
Ellice, Tp.	17	21,000	6,000		
Elma, Tp.	11	15,500	13,000		
Elmira, V.	20	30,000	1,900		25,000
Elmsley N., Tp.			2,500		
Elmsley S., Tp.			1,263		
Elora, V.	3	5,000	400		
Embro, V.	1	2,000	2,500		
Emily, Tp.			2,132		
Emo, Tp.	1	3,000	4,125		
Enniskillen, Tp.			3,000	84	
Ennismore, Tp.	8	4,800	4,000		
Eramosa, Tp.	20	50,000	6,000		
Erin, Tp.			1,199		
Erin, V.			1,000		
Ernesttown, Tp.	5	4,500	3,000		
Escott Front, Tp.	4	7,000			
Esquesing, Tn.			12,000		
Essa, Tp.			2,000	85	
Essex, Tn.	9	26,900	1,746	354	33,000
Etobicoke, Tp.			10,000		
Euphemia, Tp.	4	3,900	1,000		
Euphrasia, Tp.			3,000		
Evanturel, Tp.	3	900	2,500		
Exeter, V.	6	8,700	1,855	250	2,000
Faraday, Tp.	5	4,130	500		
Fendon, Tp.			1,800		
Fenelon Falls, V.	4	8,000	1,500		67,500
Fergus, V.	4	5,000	1,600		
Ferris, Tp.			1,257		
Finch, Tp.			2,000		
Finch, V.	3	21,000	5,303		
Fitzroy, Tp.	25	37,000	3,800		
Flamborough E., Tp.			5,115	124	
Flamborough W., Tp.			1,350		
Flos, Tp.			300		
Foley, Tp.	4	3,500	450	10	
Fort Erie, V.	16	25,000	4,000		4,000
Fort Frances, Tn.	12	20,000	5,000	5,000	75,000
Fort William, C.	743	1,552,635	10,496	96,356	871,300
Forest, Tn.	3	7,000	400	50	
Fredericksburgh N., Tp.	2	2,000	270	69	
Fredericksburgh S., Tp.	2	2,500	645		
Fullarton, Tp.			5,518	36	
Gainsboro, Tp.	11	10,000	4,052		
Galt, Tn.	100	200,000	14,000	18,000	188,000

MUNICIPAL STATISTICS.—*Continued.*

Cities, Towns, Villages and Townships.	No. new buildings erected during 1908.	Aggregate cost of buildings.	Spent on permanent improvements.	Spent on sanitation, including sewers.	Cost or value public utilities owned and operated.
	No.	$	$	$	$
Galway & Cavendish, Tps.	.....	.....	700	50	.....
Gananoque, Tn.	10	20,000	8,000	.....	250,000
Garafraxa E., Tp.	.....	.....	3,000	40	.....
Garafraxa W., Tp.	5	7,500	4,972	37	.....
Garden Island, V.	.....	.....	132	.....	.....
Georgetown, V.	7	8,000	2,250	.....	42,000
Georgina, Tp.	5	4,000	1,000	.....	.....
Glamorgan, Tp.	2	700	100	.....	.....
Glanford, Tp.	.....	.....	1,260	33	.....
Glencoe, V.	2	6,000	1,800	67	.....
Glenelg, Tp.	5	5,000	2,184	.....	.....
Gloucester, Tp.	.....	.....	8,500	.....	.....
Goderich, Tn.	27	40,500	10,988	1,638	128,140
Gordon, Tp.	.....	.....	1,466	.....	.....
Gore Bay, Tn.	6	10,000	1,600	.....	.....
Gosfield N., Tp.	15	20,100	15,308	560	4,860
Gosfield S., Tp.	4	2,000	2,000	.....	.....
Gower N., Tp.	10	10,000	500	.....	.....
Gower S., Tp.	.....	.....	677	25	.....
Grand Valley, V.	5	7,500	.....	.....	.....
Grantham, Tp.	.....	.....	17,783	.....	.....
Gravenhurst, Tn.	12	10,500	.....	.....	85,000
Greenock, Tp.	.....	.....	2,840	.....	.....
Grey, Tp.	3	5,000	5,307	63	.....
Griffith & Matawatchan, Tps.	5	1,400	227	.....	.....
Grimsby, V.	9	15,000	9,800	.....	47,000
Grimsby N., Tp.	.....	.....	3,500	.....	.....
Grimsby S., Tp.	4	1,650	1,185	.....	.....
Guelph, C.	25	85,000	88,774	15,250	654,988
Guelph, Tp.	.....	.....	3,519	.....	.....
Gwillimbury E., Tp.	11	9,000	.....	158	.....
Gwillimbury N., Tp.	12	6,000	1,241	.....	.....
Gwillimbury W., Tp.	6	3,600	2,500	.....	.....
Hagar, Tp.	3	1,350	263	.....	.....
Hagarty, Sherwood, Jones, &c., Tps.	.....	.....	3,600	70	.....
Hagerman, Tp.	3	3,000	17,041	.....	.....
Hagersville, V.	8	19,500	2,000	.....	.....
Haileybury, Tn.	240	300,000	19,625	35,000	65,000
Haldimand, Tp.	.....	.....	3,717	35	.....
Hallam, Tp.	7	3,000	3,900	5	.....
Hallowell, Tp.	11	9,000	2,000	.....	.....
Hamilton, C.	472	1,331,182	61,050	98,481	2,337,989
Hamilton, Tp.	6	8,000	10,604	93	.....
Hanmer, Tp.	11	4,000	2,000	.....	.....
Hanover, Tn.	13	22,300	.....	.....	25,000
Harley, Tp.	.....	.....	3,000	.....	.....
Harriston, Tn.	3	12,000	1,100	.....	.....
Harvey, Tp.	.....	.....	46,950	.....	.....
Harwich, Tp.	10	15,000	6,000	450	.....
Hastings, V.	6	13,000	700	.....	.....
Havelock, V.	19	22,000	1,400	.....	.....
Hawkesbury, Tn.	10	10,000	19,500	.....	110,000
Hawkesbury E., Tp.	10	4,000	1,237	500	.....
Hay, Tp.	4	7,000	3,200	.....	.....
Head, Maria & Clara, Tps.	1	400	.....	.....	.....

MUNICIPAL STATISTICS.—*Continued.*

Cities, Towns, Villages and Townships.	No. new buildings erected during 1908.	Aggregate cost of buildings.	Spent on permanent improvements.	Spent on sanitation, including sewers.	Cost or value public utilities owned and operated.
	No.	$	$	$	$
Hensall, V.				1,400	450
Hepworth, V.	1	800	229		
Hespeler, Tn.	7	10,000	3,000		15,000
Hibbert, Tp.			6,005		
Hillier, Tp.			100		
Hilton, Tp.	4	1,000	1,976		
Himsworth N., Tp.	7	3,500	1,000		
Himsworth S., Tp.	4	1,550	1,354	28	
Hinchinbrooke, Tp.	20	10,000	1,900		
Holland Landing, V.			237		
Hope, Tp.			500		
Horton, Tp.			1,000		
Houghton, Tp.			2,211		
Howe Island, Tp.	2	3,000	300		
Howick, Tp.	6	10,000	7,350	155	
Howland, Tp.	4	4,500	1,650		
Hudson, Tp.	6	3,000	3,530		
Hullett, Tp.	5	5,000	7,045		
Humberstone, Tp.	7	9,000	3,412		
Humphrey, Tp.	2	4,000			
Hungerford, Tp.	10	6,000	2,600		
Huntingdon, Tp.	4	2,600	344		
Huntley, Tp.	4	7,800	2,000		
Huntsville, Tn.	6	6,000	15,000	3,000	53,000
Huron, Tp.	7	12,000	2,408	159	
Innisfil, Tp.	16	24,600	3,370	220	
Iroquois, V.				161	52,100
Jocelyn, Tp.	3	1,400	200		
Johnson, Tarbutt, &c., Tps.	4	1,700	2,600		
Joly, Tp.	5	2,000	100		
Kaladar, Anglesea & Effingham, Tps.	3	1,000	387		
Kearney, Tn.	4	4,900	250		
Keewatin, Tn.	11	17,000	2,500		
Kemptville, V.			1,000	800	
Kennebec, Tp.			1,200		
Kenora, Tn.	33	420,000	4,024	479	592,510
Keppel, Tp.			2,000		
Kerns, Tp.	4	5,000	2,000		
Kincardine, Tn.	6	12,000	1,608	119	65,966
Kincardine, Tp.	1	2,400	1,500		
King, Tp.	15	12,000	8,000	900	1,600
Kingston, C.	79	135,750	46,000	4,000	623,125
Kingston, Tp.			2,500	350	
Kingsville, Tn.	15	25,000	2,500	50	30,000
Kinloss, Tp.			2,000		
Kitley, Tp.			1,700		
Korah, Tp.	4	1,600	1,500		
Laird, Tp.	3	2,500	1,900		
Lakefield, V.	11	19,000			
Lanark, Tp.			510		
Lanark, V.	1	800	1,102		
Lancaster, Tp.			986		

MUNICIPAL STATISTICS.—*Continued.*

Cities, Towns, Villages and Townships.	No. new buildings erected during 1908.	Aggregate cost of buildings.	Spent on permanent improvements.	Spent on sanitation, including sewers.	Cost of public utilities owned and operated.
	No.	$	$	$	$
Lancaster, V.	1	4,000	600	..	..
Latchford, Tn.	2	50,000	1,154	100	3,000
Lavalee, Tp.	..	..	2,780	..	..
Lavant, Tp.	1	500	300	..	..
Laxton, Digby & Longford, Tps.	..	..	2,000	..	..
Leamington, Tn.	14	26,000	1,500	..	50,000
Leeds & Lansdowne Front, Tps.	7	10,000	8,460	76	..
Leeds & Lansdowne Rear, Tps.	7	10,000	2,380	..	..
Limerick, Tp.	3	4,500	1,436	..	..
Lindsay, Tn.	12	30,000	55,000	1,600	110,000
Lindsay, Tp.	3	1,300	600	..	..
Listowel, Tn.	..	..	..	..	40,000
Little Current, Tn.	7	10,000	600	150	..
Lobo, Tp.	..	..	5,000	..	..
Lochiel, Tp.	6	6,000	1,000	..	..
Logan, Tp.	1	3,200	14,823	31	..
London, C.	241	866,330	92,011	50,071	934,319
London, Tp.	28	54,000	18,000	100	..
Longueuil, Tp.	3	5,000	350	100	..
L'Orignal, V.	7	12,000	6,000	25	..
Loughboro, Tp.	..	..	2,087	..	..
Louth, Tp.	19	..	1,827	..	..
Lucan, V.	6	8,000	..	..	..
Lucknow, V.	3	5,000	3,300	..	10,000
Luther E., Tp.	10	15,000	..	..	..
Luther W., Tp.	..	..	1,253	42	..
Lutterworth, Tp.	..	..	893	..	..
McDonald, Meredith & Aberdeen. Tps.	6	3,000	600	100	..
McDougall, Tp.	..	..	360	..	..
McGillivray, Tp.	12	13,000	5,500	..	..
McIrvine, Tp.	..	..	578	..	..
McKellar, Tp.	..	..	370	..	..
McKillop, Tp.	3	4,500	6,291	..	..
McLean & Ridout, Tps.	7	77,000	4,000	..	..
McMurrich, Tp.	..	..	300	..	..
McNab, Tp.	2	15,000	4,500	..	..
Macaulay, Tp.	..	..	962	35	..
Machar, Tp.	4	1,100	800	..	..
Madoc, Tp.	10	10,000	3,500	..	..
Madoc, V.	1	2,000	934	..	14,064
Maidstone, Tp.	6	3,000	6,003	120	..
Malahide, Tp.	..	..	12,241	..	..
Malden, Tp.	6	10,000	3,000	..	..
Manvers, Tp.	10	7,700	2,255	..	..
Mara, Tp.	4	10,000	400	..	..
March, Tp.	..	..	1,000	..	..
Mariposa, Tp.	..	..	5,812	168	..
Markdale, V.	3	6,000	..	..	..
Markham, Tp.	..	..	8,212	..	..
Markham, V.	1	10,000	15,400	..	12,000
Marlborough, Tp.	..	..	931	..	..
Marmora, V.	4	6,000	380	10	..
Martland, Tp.	10	3,000	900	..	..
Maryborough, Tp.	3	4,500	3,000	..	..
Marysburgh N., Tp.	5	5,000	800	20	..

MUNICIPAL STATISTICS.—*Continued.*

Cities, Towns, Villages and Townships.	No. new buildings erected during 1908.	Aggregate cost of buildings.	Spent on permanent improvements.	Spent on sanitation, including sewers.	Cost or value public utilities owned and operated.
	No.	$	$	$	$
Marysburgh S., Tp.	20	15,000	300		
Massey, Tn.	3	2,000	100		18,873
Matchedash, Tp.			1,200		
Matilda, Tp.	2	2,000	15,153		
Mattawa, Tn.	2	2,000	796	50	
Mattawan, Tp.			800		
Maxville, V.	4	9,000	3,000	200	
Mayo, Tp.	5	2,800	275		
Medonte, Tp.	30	2,500	5,000		
Medora & Wood, Tps.	10	3,000	2,842	45	
Melancthon, Tp.	7	9,000	2,700		
Merrickville, V.			1,500		
Merritton, V.			3,000	300	85,000
Mersea, Tp.	10	5,000	5,804		
Metcalfe, Tp.	5	4,100	2,960	76	
Midland, Tn.	37	86,000	1,000	2,370	135,200
Millbrook, V.					
Milton, Tn.	8	20,000	600		40,000
Milverton, V.	3	5,000	3,200		
Minden, Tp.			500		
Minto, Tp.	6	6,000	4,000		
Mitchell, Tn.	2	4,000	682		30,000
Monaghan N., Tp.	5	4,000	1,200		
Monaghan S., Tp.	3	4,000	1,500		
Monck, Tp.			1,666	4	
Monmouth, Tp.			43	63	
Mono, Tp.	6	4,300	6,549		
Montague, Tp.	10	5,000	2,500		
Moore, Tp.	15	24,500	2,800		
Morley, Tp.	6	4,000	1,850		
Mornington, Tp.	8	9,600	18,187		
Morris, Tp.			6,941		
Morrisburg, V.					60,000
Mosa, Tp.			2,364	10	
Moulton, Tp.			564		
Mount Forest, Tn.	2	2,500	2,500		49,500
Mountain, Tp.	10	10,000	7,000		
Mulmur, Tp.			4,014		
Murray, Tp.	6	4,000	150	62	
Muskoka, Tp.	3	1,700	1,249		
Nairn & Lorne, Tps.	5	13,000	4,100	100	
Napanee, Tn.	4	5,400	500	2,500	45,000
Nassagaweya, Tp.	7	13,600	3,000		
Neebing, Tp.	10	1,400	10,358		
Neelon & Garson, Tps.			1,500		
Nelson, Tp.	10	13,000	1,100		
Nepean, Tp.			9,493		
Neustadt, V.	3	11,000	1,384		
New Hamburg, V.	7	17,000	1,500		
New Liskeard, Tn.	5	24,000	4,931	300	60,000
Newboro, V.	1	2,000	400		
Newburgh, V.	4	6,000	880		
Newbury, V.	1	4,500	835		
Newcastle, V.			1,142		
Newmarket, Tn.	25	37,000	3,500	657	51,000
Niagara, Tn.	5	5,000	1,200		381,500

MUNICIPAL STATISTICS.—*Continued.*

Cities, Towns, Villages and Townships.	No. new buildings erected during 1908.	Aggregate cost of buildings.	Spent on permanent improvements.	Spent on sanitation, including sewers.	Cost or value public utilities owned and operated.
	No.	$	$	$	$
Niagara, Tp.	12	5,000	2,000		
Niagara Falls, C.	38	475,000	30,000	10,000	350,000
Nicholl, Tp.			1,500		
Nipissing, Tp.	8	10,000	300		
Nissouri E., Tp.	11	14,000	5,828	75	
Nissouri W., Tp.	12	15,000	7,500		
Normanby, Tp.					
North Bay, Tn.	60	200,000	18,036	11,372	108,610
Norwich N., Tp.	10	15,000	5,000	100	
Norwich S., Tp.			7,000		
Norwich, V.	1	3,000	2,250	5,100	
Norwood, V.	3	4,800	5,651		
Oakland, Tp.			1,090		
Oakley, Tp.	4	15,000	800		
Oakville, Tn.	12	30,000	1,150	176	70,000
O'Connor, Tp.	10	6,500	1,600		
Oil Springs, V.	1	2,000	466	120	
Olden, Tp.			1,500		
Oliver, Tp.	2	1,500	3,986		
Omemee, V.	3	3,100	400		
Oneida, Tp.			1,500		
Onondaga, Tp.	4	2,000			
Ops, Tp.			4,000	50	
Orangeville, Tn.	2	4,000	7,938		51,000
Orford, Tp.			4,000		
Orillia, Tn.					415,000
Orillia, Tp.	20	20,000	3,839		
Oro, Tp.			800		
Osgoode, Tp.			4,837		
Oshawa, Tn.	52	80,000	6,000	2,142	130,000
Osnabruck, Tp.	44	45,000	68,200	65	
Oso, Tp.	3	2,100	1,058		
Osprey, Tp.	50	20,000	2,500		
Otonabee, Tp.	7	13,000	4,240	10	
Ottawa, C.	507	1,794,075	194,000	80,500	2,580,000
Owen Sound, Tn.	88	350,000	17,934	3,550	337,360
Oxford, Tp.			993		
Oxford E., Tp.			3,007	49	
Oxford N., Tp.	4	2,000	1,500		
Oxford W., Tp.	9	10,000	600	28	
Paipoonge, Tp.	10	5,400	2,000		
Paisley, V.			700	242	9,900
Pakenham, Tp.			550		
Palmerston, Tn.	3	6,000	2,000		54,000
Palmerston & N. & S. Canonto, Tps.			350		
Papineau, Tp.			1,500		
Paris, Tn.	12	30,000	3,000		131,000
Parry Sound, Tn.	60	60,000	16,000	4,000	125,000
Parkhill, Tn.	3	10,000	3,500		
Peel, Tp.	10	14,500	1,865	50	
Pelee Island, Tp.	3	7,000	400		
Pelham, Tp.	12	15,000	5,569	75	
Pembroke, Tn.	22	47,300	27,000	1,300	75,000

MUNICIPAL STATISTICS.—*Continued.*

Cities, Towns, Villages and Townships.	No. new buildings erected during 1908.	Aggregate cost of buildings.	Spent on permanent improvements.	Spent on sanitation, including sewers.	Cost or value public utilities owned and operated.
	No.	$	$	$	$
Pembroke, Tp.	10	5,000	19	.....	.....
Penetanguishene, Tn.	25	20,000	500	.....	47,400
Percy, Tp.	10	12,000	3,600	.....	.....
Perry, Tp.	.....	.....	3,000	.....	.....
Perth, Tn.	7	10,000	8,000	25,000	13,000
Peterborough, C.	98	238,963	44,221	7,224	330,000
Petewawa, Tp.	.....	.....	700	7,060	.....
Petrolea, Tn.	.....	.....	21,000	.....	190,000
Pickering, Tp.	15	21,000	6,000	.....	.....
Picton, Tn.	16	17,000	7,251	.....	60,000
Pilkington, Tp.	12	6,000	2,049	.....	.....
Pittsburg, Tp.	.....	.....	5,027	.....	.....
Plantagenet N., Tp.	12	10,000	800	.....	.....
Plummer Addit. Tp.	.....	.....	3,200	.....	.....
Plympton, Tp.	22	23,500	2,589	.....	.....
Point Edward, V.	.....	.....	177	.....	.....
Port Arthur, C.	100	293,000	132,012	9,035	1,043,340
Port Carling, V.	2	1,000	785	101	.....
Port Colborne, V.	12	26,000	1,500	1,000	26,000
Port Dalhousie, V.	7	10,000	.....	.....	.....
Port Dover, V.	3	3,600	2,000	275	.....
Port Elgin, V.	6	25,000	.....	250	40,000
Port Hope, Tn.	7	24,000	6,000	3,500	82,150
Port Perry, V.	.....	.....	1,000	.....	24,000
Port Rowan, V.	10	8,775	350	.....	400
Port Stanley, V.	45	33,500	1,802	35	.....
Portland, Tp.	6	10,000	1,853	50	.....
Portsmouth, V.	.....	.....	697	114	.....
Powassan, Tn.	4	14,000	900	.....	.....
Prescott, Tn.	5	10,000	.....	.....	90,000
Preston, Tn.	30	75,000	1,800	15,000	115,000
Prince, Tp.	.....	.....	800	.....	.....
Proton, Tp.	.....	.....	3,778	.....	.....
Puslinch, Tp.	50	50,000	3,500	.....	.....
Radcliffe, Tp.	1	300	.....	.....	.....
Raglan, Tp.	1	700	134	.....	.....
Rainham, Tp.	.....	.....	725	.....	.....
Rainy River, Tn.	7	7,000	2,000	.....	.....
Raleigh, Tp.	.....	.....	2,100	.....	.....
Rama, Tp.	10	5,000	2,300	.....	.....
Ramsey, Tp.	.....	.....	3,200	.....	.....
Ratter & Dunnet, Tps.	2	1,300	333	73	.....
Rawdon, Tp.	6	2,000	860	177	.....
Rayside, Tp.	5	1,000	1,900	.....	.....
Reach, Tp.	25	15,000	1,000	426	.....
Renfrew, Tn.	.....	.....	4,138	6,000	100,000
Richmond, Tp.	6	4,800	1,800	30	.....
Richmond, V.	1	2,000	200	.....	.....
Richmond Hill, V.	3	5,000	500	.....	.....
Ridgetown, Tn.	.....	.....	3,000	.....	.....
Rochester, Tp.	5	4,000	9,180	.....	6,600
Rockland, Tn.	10	30,000	1,000	40	.....
Rodney, V.	5	5,000	1,000	.....	.....
Rolph, Buchanan & Wylie, Tps.	2	1,200	600	.....	.....
Romney, Tp.	20	10,000	2,190	22	.....

MUNICIPAL STATISTICS.—*Continued.*

Cities, Towns, Villages and Townships.	No. new buildings erected during 1908.	Aggregate cost of buildings.	Spent on permanent improvements.	Spent on sanitation, including sewers.	Cost or value public utilities owned and operated.
	No.	$	$	$	$
Ross, Tp.	8	8,000	500	...	...
Roxborough, Tp.	50	75,000	1,000	...	...
Russell, Tp.	21	25,000	5,000	500	...
Ryde, Tp.	...	...	210	...	...
Ryerson, Tp.	10	10,000	250	...	...
St. Catharines, C.	82	125,000	61,500	10,000	390,000
St. Edmunds, Tp.	1	7,000	400	...	...
St. Joseph, Tp.	12	23,000	2,000	...	...
St. Marys, Tn.	10	30,000	3,500	...	100,000
St. Thomas, C.	140	236,000	30,000	2,000	560,000
Saltfleet, Tp.	20	50,000	8,000	400	...
Sandwich, Tn.	12	18,000	8,200	2,820	20,900
Sandwich E., Tp.	8	20,000	9,500	...	...
Sandwich W., Tp.	7	25,000	7,500	...	...
Sarnia, Tn.	15	40,000	38,380	4,000	225,000
Sarnia, Tp.	10	10,000	3,500	...	...
Saugeen, Tp.	9	10,000	2,000	15	...
Sault Ste. Marie, Tn.	61	125,000	23,000	2,300	...
Scugog, Tp.	2	4,000	350	...	...
Seaforth, Tn.	5	7,000	7,000	...	13,000
Sebastopol, Tp.	...	...	57	...	...
Seneca, Tp.	2	5,000	1,000	...	...
Seymour, Tp.	...	...	6,298	...	...
Sheffield, Tp.	2	1,000	1,098	...	...
Shelburne, V.	10	10,000	6,000	100	19,000
Sherborne, Tp.	2	1,000	300	...	...
Sherbrooke, Tp.	4	5,000	110	...	...
Sherbrooke S., Tp.	...	...	...	...	...
Sidney, Tp.	...	...	4,160	194	...
Simcoe, Tn.	28	62,000	5,300	...	76,000
Smith, Tp.	...	...	2,568	...	...
Smith's Falls, Tn.	45	90,000	...	3,230	235,000
Snowdon, Tp.	...	...	75	...	...
Sombra, Tp.	...	...	2,776	53	...
Somerville, Tp.	...	...	5,500	...	...
Sophiasburg, Tp.	...	...	439	...	...
South River, V.	2	1,800	200	...	...
Southampton, Tn.	13	14,000	2,852	118	30,732
Southwold, Tp.	8	13,500	8,700	...	...
Springer, Tp.	11	1,500	300	...	...
Springfield, V.	3	7,500	...	...	...
Stafford, Tp.	6	6,000	1,300	...	...
Stanhope, Tp.	6	4,500	98	...	...
Stanley, Tp.	8	4,000	5,000	700	...
Stayner, Tn.	3	7,000	427	14	25,000
Steelton, Tn.	10	6,800	2,444	161	33,316
Stephen, Tp.	4	2,500	7,029	44	...
Stirling, V.	3	37,000	1,400	...	...
Stisted, Tp.	5	3,000	1,130	...	...
Storrington, Tp.	20	10,000	2,500	...	...
Stouffville, V.	1	500	1,545	...	25,000
Stratford, C.	72	136,545	16,356	11,437	200,287
Strathroy, Tn.	13	37,800	6,000	800	63,385
Streetsville, V.	4	12,700	687	40	22,000
Strong, Tp.	3	2,000	2,000	...	...
Sturgeon Falls, Tn.	2	4,500	1,936	509	46,812

MUNICIPAL STATISTICS.—*Continued.*

Cities, Towns, Villages and Townships.	No. new buildings erected during 1908.	Aggregate cost of buildings.	Spent on permanent improvements.	Spent on sanitation, including sewers.	Cost or value public utilities owned and operated.
	No.	$	$	$	$
Sturgeon Point, V.	3	1,000	100	132	
Sudbury, Tn.	60	225,000	5,800		106,435
Sullivan, Tp.	10	10,000	2,408	66	
Sundridge, V.			200		
Sunnidale, Tp.	20	5,000	3,100		
Sutton, V.	8	10,000	350	10	
Sydenham, Tp.	5	4,050	6,986		
Tara, V.					
Tarentorus & St. Marys, Tps.	7	1,950	2,634		
Tecumseth, Tp.	5	5,500	3,000		
Teeswater, V.	3	5,000	1,200		1,400
Tehkummah, Tp.			1,400		
Thamesville, V.	1	3,000	1,050		6,250
Thedford, V.	3	1,600	700	30	
Thessalon, Tn.	15	35,000	5,000		36,510
Thessalon, Tp.	4	5,300	600		
Thompson, Tp.			58		
Thorah, Tp.	6	5,600	1,433	39	
Thorold, Tn.	3	14,000			145,000
Thorold, Tp.	7	5,600	2,941		
Thurlow, Tp.	4	20,000	4,000		
Tilbury, V.	11	10,200	1,366	1,295	16,176
Tilbury E., Tp.					
Tilbury N., Tp.			1,000		
Tilbury W., Tp.	10	12,000	1,000	55	
Tillsonburg, Tn.	63	179,000	2,000	900	
Tiny, Tp.	24	20,000	4,000		
Tiverton, V.			506		
Torbolton, Tp.			705		
Toronto, C.	5,285	13,156,652	1,610,000	525,000	6,000,000
Toronto, Tp.	14	16,000	15,000	127	
Toronto, East, Tn.	30	47,500	8,000		62,000
Toronto Gore, Tp.	20	10,000	6,300		
Toronto, North, Tn.	90	133,175	22,108	50	105,000
Toronto, West, C.	400	1,000,000	115,000	8,000	225,000
Tossorontio, Tp.	3	3,000	1,200		
Tottenham, V.	3	6,000	500		8,000
Townsend, Tp.	20	10,000	1,314		
Trafalgar, Tp.			18,000		
Trenton, Tn.	19	24,000	7,931	750	
Tuckersmith, Tp.	26	37,000	15,000		
Tudor & Cashel, Tps.	4	2,100	1,438		
Turnberry, Tp.			1,760	46	
Tweed, V.	6	5,000	1,200		
Usborne, Tp.	5	6,000	3,700		
Uxbridge, Tn.			800	1,800	15,000
Uxbridge, Tp.	12	15,000	1,248		
Van Horne, Tp.	27	20,000	1,000	100	
Vankleek Hill, Tn.	9	12,000			
Vaughan, Tp.	40	40,000	10,000		
Verulam, Tp.	6	5,000	2,800		
Vespra, Tp.	40	33,600	1,350	60	
Vienna, V.			605		
Wainfleet, Tp.			5,410		

MUNICIPAL STATISTICS.—*Concluded.*

Cities, Towns, Villages and Townships.	No. new buildings erected during 1908.	Aggregate cost of buildings.	Spent on permanent improvements.	Spent on sanitation, including sewers.	Cost or value public utilities owned and operated.
	No.	$	$	$	$
Walkerton, Tn.	5	17,200	.....	31	44,227
Walkerville, Tn.	26	90,000	6,000	1,000	.....
Wallace, Tp.	4	2,400	1,375	255	.....
Wallaceburg, Tn.	18	120,625	2,150	14	.....
Walsingham N., Tp.	5	8,000	2,500	.....	.....
Walpole, Tp.	30	25,000	9,921	161	.....
Wardsville, V.	.....	.....	190	25	.....
Warwick, Tp.	.....	.....	4,000	.....	.....
Waterdown, V.	5	7,500	700	20	.....
Waterford, V.	4	4,000	2,250	.....	.....
Waterloo, Tn.	20	30,000	2,324	5,056	112,000
Waters, Tp.	6	3,300	523	.....	.....
Watford, V.	.....	.....	5,300	.....	.....
Watt, Tp.	10	5,000	450	.....	.....
Wawanosh E., Tp.	5	2,200	2,356	.....	.....
Wawanosh W., Tp.	.....	.....	500	.....	.....
Webbwood, Tn.	.....	.....	100	.....	.....
Welland, Tn.	150	600,000	18,078	30,017	87,430
Wellesley, Tp.	19	21,500	3,363	250	.....
Wellington, V.	22	30,000	600	200	.....
West Lorne, V.	6	6,000	62	606	.....
Westminster, Tp.	.....	.....	1,283	788	.....
Weston, V.	15	20,000	1,500	350	12,000
Westport, V.	.....	.....	1,600	.....	.....
Whitby, Tn.	7	16,800	1,500	.....	80,000
Whitby E., Tp.	6	10,000	200	.....	.....
Whitchurch, Tp.	11	17,500	2,600	.....	.....
Wiarton, Tn.	.....	.....	2,653	.....	50,572
Widdifield, Tp.	50	40,000	2,380	.....	.....
Williams E., Tp.	.....	.....	1,524	.....	.....
Willoughby, Tp.	4	6,000	500	.....	.....
Wilmot, Tp.	20	30,000	5,000	600	.....
Winchester, Tp.	.....	.....	2,000	.....	.....
Winchester, V.	1	21,000	5,000	.....	.....
Windham, Tp.	.....	.....	3,894	100	.....
Windsor, C.	131	300,000	61,280	8,065	342,700
Wingham, Tn.	6	10,000	11,000	.....	66,800
Wolfe Island, Tp.	2	3,000	.....	.....	20,000
Wolford, Tp.	.....	.....	1,000	.....	.....
Wollaston, Tp.	.....	.....	600	.....	.....
Woodbridge, V.	2	2,000	500	.....	.....
Woodhouse, Tp.	.....	.....	2,000	40	.....
Woodstock, C.	14	81,000	3,725	3,775	245,000
Woodville, V.	.....	.....	150	15	1,200
Woolwich, Tp.	22	18,500	5,145	.....	.....
Worthington & Blue, Tps.	7	1,800	3,650	.....	.....
Wroxeter, V.	.....	.....	163	.....	.....
Wyoming, V.	4	17,500	.....	.....	.....
Yonge Front, Tp.	.....	.....	200	.....	.....
Yonge & Escott Rear, Tps.	2	2,000	620	25	.....
York, Tp.	180	210,000	29,551	374	.....
Zone, Tp.	.....	.....	800	.....	.....
Zorra E., Tp.	20	24,000	13,000	144	.....
Zorra W., Tp.	12	12,000	5,000	.....	.....
Total	15,036	32,619,334	5,288,079	$1,338,127	$28,767,124

SUMMARY.

Cities.	No. new buildings erected during 1908.	Aggregate cost new buildings.	Spent on permanent improvements.	Spent on sanitation, including sewers.	Cost or value public utilities owned and operated.
	No.	$	$	$	$
Belleville	50	150,000	25,000	2,000	290,000
Brantford	280	250,000	108,031	36,995	415,000
Chatham	41	63,642	35,544	1,185	218,000
Fort William	743	1,552,635	10,496	96,356	871,300
Guelph	25	85,000	88,774	15,250	654,988
Hamilton	472	1,331,182	61,050	98,481	2,337,989
Kingston	79	135,750	46,000	4,000	623,125
London	241	866,330	92,012	50,071	934,319
Niagara Falls	38	475 000	30,000	10,000	350,000
Ottawa	507	1,794,075	194,000	80,500	2,580,000
Peterborough	98	238,963	44,221	7,224	330,000
Port Arthur	100	293,000	132,012	9,035	1,043,340
St. Catharines	82	125,000	61,500	10,000	390,000
St. Thomas	140	236,000	30,000	2,000	560,000
Stratford	72	136,545	16,336	11,437	200,287
Toronto	5,285	13,156,652	1,610,000	525,000	6,000,000
Toronto, West	400	1,000,000	115,000	8,000	225,000
Windsor	131	300,000	61,280	8,065	342,700
Woodstock	14	81,000	3,725	3,775	245,000
19 Cities	8,798	22,270,774	2,764,981	979,374	18,611,048
117 Towns	2,441	5,861,075	705,083	272,327	9,289,483
135 Villages	589	1,047,005	210,864	17,957	834,133
480 Townships	3,208	3,440,480	1,603,451	68,469	32,460
751 Grand Total	15,036	32,619,334	5,288,079	1,338,127	28,767,124

PUBLIC UTILITIES CLASSIFIED.

The public utilities, for which the capital invested has been given in the general municipal statistics, are in the following tables classified under their respective objects. In some cases the classification is somewhat incomplete, certain municipalities not keeping separate accounts for connected operations; in these instances the fact is pointed out, and a reference is given to the columns in which the figures are contained. In two cases, where the clerks did not report, the figures of the previous year have been used. Several municipalities report that public utility works are in course of construction.

Municipalities.	(1) Water Works.	(2) Electric Lighting.	(3) Gas Works.	(4) Street Railway.	(5) Power Plant.	(6) Telephone System.	(7) Miscellaneous
	$	$	$	$	$	$	$
Acton, V.	.....	8,000	.....	.....	.....	.....	.....
Alexandria, Tn.	9,416	with (1)	.....	.....	.....	.....	.....
Alliston, Tn.	19,000	.....	.....	.....	.....	.....	.....
Almonte, Tn.	40,000	.....	.....	.....	.....	.....	.....
Amherstburg, Tn.	40,000	10,000	.....	.....	.....	.....	.....
Arnprior, Tn.	115,000	.....	.....	.....	.....	.....	.....
Aurora, Tn.	27,000	.....	.....	.....	.....	.....	.....
Aylmer, Tn.	95,000	30,000	.....	.....	.....	.....	.....
Barrie, Tn.	118,991	74,993	.....	.....	.....	.....	.....
Beamsville, V.	20,000	.....	.....	.....	.....	.....	.....
Beeton, V.	25,000	6,000	.....	.....	.....	.....	.....
Belleville, C.	200,000	90,000	.....	.....	.....	.....	.....
Berlin, Tn.	198,106	313,710	with (2)	109,342	.....	.....	.....
Blenheim, Tn.	.....	9,000	.....	.....	.....	.....	.....
Bobcaygeon, V.	.....	25,000	.....	.....	with (2)	.....	.....
Bothwell, Tn.	4,500	6,000	.....	.....	.....	.....	.....
Bracebridge, Tn.	40,000	60,000	.....	.....	with (2)	.....	.....
Brampton, Tn.	100,000	.....	.....	.....	.....	.....	.....
Brantford, C.	415,000	.....	.....	.....	.....	.....	.....
Bridgeburg, V.	48,893	.....	.....	.....	.....	.....	.....
Brockville, Tn.	230,000	175,000	with (2)	.....	.....	.....	.....
Burks Falls, V.	37,000	.....	.....	.....	.....	.....	.....
Campbellford, Tn.	40,000	200,000	.....	.....	.....	.....	.....
Chatham, C.	200,000	18,000	.....	.....	.....	.....	.....
Chesley, Tn.	38,000	.....	.....	.....	.....	.....	.....
Chippawa, V.	.....	1,000	.....	.....	.....	.....	.....
Clifford, V.	.....	.....	2,800	.....	.....	.....	.....
Collingwood, Tn.	101,498	51,753	.....	.....	.....	.....	.....
Cornwall, Tn.	139,747	.....	.....	.....	.....	.....	.....
Creemore, V.	22,000	.....	.....	.....	.....	.....	.....
Deseronto, Tn.	35,000	.....	50,000	.....	.....	.....	3,000
Dresden, Tn.	10,500	.....	.....	.....	.....	.....	.....
Dundalk, V.	.....	6,000	.....	.....	.....	.....	.....
Dundas, Tn.	60,000	.....	.....	.....	.....	.....	.....
Dunnville, Tn.	30,000	.....	.....	.....	.....	.....	.....
Elmira, V.	25,000	.....	.....	.....	.....	.....	.....
Essex, Tn.	33,000	.....	.....	.....	.....	.....	.....
Exeter, V.	2,000	.....	.....	.....	.....	.....	.....

PUBLIC UTILITIES CLASSIFIED.—*Continued.*

Municipalities.	(1) Water Works.	(2) Electric Lighting.	(3) Gas Works.	(4) Street Railway.	(5) Power Plant.	(6) Telephone System.	(7) Miscellaneous.
	$	$	$	$	$	$	$
Fenelon Falls, V.		67,500					
Fort Erie, V.		4,000					
Fort Frances, Tn.	75,000						
Fort William, C.	566,300	150,000		52,000		103,000	
Galt, Tn.	188,000						
Gananoque, Tn.	250,000						
Georgetown, V.	42,000						
Goderich, Tn.	128,140	with (1)					
Gosfield N., Tp.						4,860	
Gravenhurst, Tn.		85,000			with (2)		
Grimsby, V.	47,000						
Guelph, C.	273,245	89,333	180,856	111,554			
Haileybury, Tn.	65,000						
Hamilton, C.	2,337,989						
Hanover, Tn.	25,000						
Hawkesbury, Tn.	110,000						
Hensall, V.	450						
Hespeler, Tn.		15,000					
Huntsville, Tn.	53,000	with (1)					
Iroquois, V.	40,100	12,000					
Kenora, Tn.	192,199	45,932			341,729	12,650	
Kincardine, Tn.	45,758	20,228					
King, Tp.		1,600					
Kingston, C.	294,000	329,125	with (2)				
Kingsville, Tn.	30,000						
Latchford, Tn.	3,000						
Leamington, Tn.	25,000		25,000				
Lindsay, Tn.	110,000						
Listowel, Tn.	40,000						
London, C.	934,319						
Lucknow, V.	10,000						
Madoc, V.		14,064					
Markham, V.	12,000	with (1)					
Massey, Tn.	18,873						
Merritton, V.	75,000	10,000					
Midland, Tn.	87,500	47,700					
Milton, Tn.	25,000	15,000					
Mitchell, Tn.	30,000	with (1)					
Morrisburg, V.	25,000	35,000					
Mount Forest, Tn.	34,500	15,000					
Napanee, Tn.		45,000					
New Liskeard, Tn.	60,000						
Newmarket, Tn.	29,000	22,000					
Niagara, Tn.	360,000	21,500					
Niagara Falls, C.	200,000	150,000					
North Bay, Tn.	108,610						
Oakville, Tn.	55,000	15,000					
Orangeville, Tn.	51,000						
Orillia, Tn.	90,000	325,000			with 2)		

PUBLIC UTILITIES CLASSIFIED.—*Continued.*

Municipalities.	(1) Water Works.	(2) Electric Lighting.	(3) Gas Works.	(4) Street Railway.	(5) Power Plant.	(6) Telephone System.	(7) Miscellaneous.
	$	$	$	$	$	$	$
Oshawa, Tn.	130,000						
Ottawa, C.	2,250,000	330,000					
Owen Sound, Tn.	142,975	105,989	88,396				
Paisley, V.	9,900						
Palmerston, Tn.	40,000	14,000					
Paris, Tn.	79,000	52,000					
Parry Sound, Tn.	60,000	65,000					
Pembroke, Tn.	75,000						
Penetanguishene, Tn.	47,400						
Perth, Tn.		13,000					
Peterborough, C.	330,000						
Petrolea, Tn.	190,000						
Picton, Tn.	60,000	with (1					
Port Arthur, C.	323,546	64,046		301,067	272,917	81,764	
Port Colborne, V.	26,000						
Port Elgin, V.	40,000						
Port Hope, Tn.	82,150						
Port Perry, V.	24,000	with (1)					
Port Rowan, V.		400					
Prescott, Tn.	65,000	25,000					
Preston, Tn.	77,000	38,000					
Renfrew, Tn.	100,000						
Rochester, Tp.						6,600	
St. Catharines, C.	340,000		50,000				
St. Marys, Tn.	100,000	with (1)					
St. Thomas, C.	200,000	275,000	with (2	85,000			
Sandwich, Tn.	20,900						
Sarnia, Tn.	225,000						
Seaforth, Tn.	13,000						
Shelburne, V.	19,000						
Simcoe, Tn.	76,000						
Smith's Falls, Tn.	235,000						
Southampton, Tn.	30,732						
Stayner, Tn.	25,000						
Steelton, Tn.	33,316						
Stouffville, V.	25,000						
Stratford, C.	200,287						
Strathroy, Tn.	63,385	with (1)					
Streetsville, V.					22,000		
Sturgeon Falls, Tn.	46,812						
Sudbury, Tn.	106,435	with (1)					
Teeswater, V.	1,400						
Thamesville, V.		6,250					
Thessalon, Tn.	25,280	11,230					
Thorold, Tn.	100,000	45,000					
Tilbury, V.	16,176						
Toronto, C.	6,000,000						
Toronto, E., Tn.	62,000	with (1)					
Toronto, N., Tn.	105,000						
Toronto, W., C.	200,000	25,000					
Tottenham, V.		8,000					
Uxbridge, Tn.	15,000						

PUBLIC UTILITIES CLASSIFIED.—*Concluded.*

Municipalities.	(1) Water Works.	(2) Electric Lighting.	(3) Gas Works.	(4) Street Railway.	(5) Power Plant.	(6) Telephone System.	(7) Miscellaneous.
	$	$	$	$	$	$	$
Walkerton, Tn	44,227						
Waterloo, Tn	82,000			30,000			
Welland, Tn	87,430						
Weston, V		12,000					
Whitby, Tn	80,000	with (1)					
Wiarton, Tn	50,572						
Windsor, C	300,000	42,700					
Wingham, Tn	36,800	30,000					
Wolfe Island, Tp							20,000
Woodstock, C	175,000	70,000					
Woodville, V		1,200					
Totals	22,959,336	3,853,253	427,052	658,963	636,646	208,874	23,000
Grand Total	28,767,124						

FREE EMPLOYMENT BUREAUS.

The four Free Employment Bureaus which were operated throughout 1909 at Hamilton, London, Ottawa and Berlin continued to do successful work, to which the latest addition, Berlin, in 1909 fully contributed, as will appear from the following table:—

Applications for 1909.

Location.	Applications for work.		Help wanted.		Situations filled.	
	Male.	Female.	Male.	Female.	Male.	Female.
Berlin:—						
January	26		25		23	
February	14		14		12	
March	14	1	11	4	11	1
April	43		39	38	38	
May	32	1	42	25	32	1
June	21		22	51	21	
July	13		16		12	
August	11		11	110	11	
September	6		19		5	
October	9		27		9	
November	10		9		9	
December	7	1	12	50	7	
Totals.	206	3	247	258	190	2
Hamilton:—						
January	11	3		2		2
February	10	3	3		3	
March	10	7	3	•2	2	2
April	35	3	20		15	
May	37		15	1	14	
June	26	1	20		19	
July	22	1	21		15	
August	43	3	35		33	
September	29	1	26		23	
October	14		16	1	14	
November	15	2	10		10	
December	13		8	1	7	
Totals.	265	24	177	7	155	4
London:—						
January	3		2		2	
February	8		2		2	
March	14		7		7	
April	21		14		14	
May	61		47	7	45	
June	48		36		33	
July	30		27		19	
August	26	2	21	3	16	2
September	11		9	2	7	
October	22	1	9		9	
November	21		12		12	
December	19	1	12	1	12	1
Totals.	284	4	198	13	178	3
Ottawa:—						
January	16	6	1	5	1	5
February	20	4	2	2	2	2

Applications for 1909.—*Continued.*

Location.	Applications for work.		Help wanted.		Situations filled.	
	Male.	Female.	Male.	Female.	Male.	Female.
Ottawa.—*Continued.*						
March	28	2	3	1	3	1
April	22	6	4	7	3	4
May	25	2	4	1	2	
June	11	2	8	2	6	2
July	13	3	6	3	6	2
August	10	7	5	6	4	6
September	1	10	61	13		8
October	16	8	4	10	4	8
November	16	13	8	11	8	8
December	31	5	3	6	3	3
Totals.	209	68	109	67	42	49
Grand Total	964	99	731	345	465	57

Applications by Trades for year 1909.

Trade or calling.	Applications for work.		Help wanted.		Situations filled.	
	Male.	Female.	Male.	Female.	Male.	Female.
Bakers	2					
Barbers	2		5		3	
Blacksmiths	11					
Boiler Makers	1					
Brassworkers	1					
Bricklayers	7		6		5	
Butchers	1					
Cabinetmakers	4		16		4	
Carpenters	33		19		17	
Chemists	1					
Clerks	40		7		4	
Coachmen and Drivers	6		5		5	
Domestics	9	69	1	64	1	54
Engineers	6		1		1	
Errand Boys	1		3		1	
Factory Hands	1		25	91	1	
Farm Hands	97	2	55	1	32	1
Firemen			1			
Fitters	1					
Gardeners	6		5		4	
Horsemen	2		2		2	
Jointers	1					
Labourers	653		530		359	
Lithographers	4		1		1	
Machinists	11		1		1	
Masons	1					
Millwrights	2					
Miners			6			
Moulders	2					
Ostlers	1		1		1	
Painters	13		16		13	
Photographers	1					
Plasterers	1					
Plumbers	4		3		3	

Applications by Trades for year 1909.—*Continued.*

Trade or calling.	Applications for work.		Help wanted.		Situations filled.	
	Male.	Female.	Male.	Female.	Male.	Female.
Policemen	1					
Porters	6		3		3	
Printers	1					
Quarrymen			2			
Riveters	1					
Rubber Shoe Workers			5			
Sewing Operators		26		176		1
Shoemakers	5	1	6	6		1
Stenographers	1					
Stonecutters	1					
Stonemasons	2					
Sugar Boilers	1					
Tailors	6	1	2	4	2	
Tinsmiths	1		1		1	
Upholsterers	1					
Warehousemen	2					
Watchmakers	2					
Watchmen	3					
Weavers	1					
Window Dressers	1		1		1	
Woodworkers	2		2			
Total	964	99	731	345	465	57

LABOUR ORGANIZATIONS.

The increase in the number of returns from the labour organizations still continues, there being 358, as compared with 320 last year, and 271 and 157 in the two preceding years. This is satisfactory so far as it goes, but there is manifested an unnecessary reticence on the part of some of the unions which is strange in view of the fact that the labour unions of other countries hold that the publication of their statistics is for their benefit as showing their full strength, as well as for the interest of the general public.

RETURNS IN DETAIL OF LABOUR ORGANIZATIONS.

Alliston.

Name.—International Maintenance of Ways Employees, No. 217. Organized September, 1907; total membership, 33; average earnings per week, $10.85; average earnings per hour, 15c.; number of working hours first five days, 50; number on Saturday, 10 hours; wages paid monthly; average number of days idle per member during year, none; all union men are steadily employed year round; total number (union and non-union) at calling in your locality, about 55; localities vary; what difference in wages or hours of labour (if any) of those engaged at your calling in locality between members and non-members of your organization, none; what cash benefits (if any) are paid, in case of lack of employment, none; in case of sickness, none; death, insurance for those members who care to join; no special work for members, such as reading room, evening classes, etc.; body not incorporated or registered. President, John Tilford, Alliston P. O.; Corresponding Secretary, J. W. Bone, Palgrave P. O.; meets first Monday in month.

Allandale.

Name.—Brotherhood Locomotive Firemen and Engineers (Barrie Bay), No. 442. Organized 1890; total membership, 100; average earnings per week, $12; average earnings per hour, 19c.; number of working hours per week, irregular; wages paid monthly; average number of days idle per member during year, uncertain; general cause of idleness, dulness in freight movements; total number (union and non-union) employed at calling in your locality, 125; no difference in wages or hours of labour in locality between members and non-members of organization; cash benefit in case of death, $500 to $3,000; insurance is rated; have air-brake classes; body incorporated and registered. President (local), Mercer Martin, Allandale; Corresponding Secretary, Henry Hodson, Allandale; meets second Sunday, at 2.30 p.m., and fourth Wednesday, at 7.30 p.m., monthly.

Aurora.

Name.—American Federation of Musicians, Local No. 335. Organized Sept. 1st, 1902; total membership, male, 28; female, 12; average working hours per week, members of this local do not follow music exclusively for a living; organization not strong enough to have reading room or evening classes; not registered in Ontario. President, Fred. D. Waite, Aurora; Corresponding Secretary, John C. Querri, Aurora; meets first Monday in month.

Barrie.

Name.—United Brotherhood of Carpenters and Joiners of America. Organized March, 1905; total membership, 40; average earnings per week, $12; average earnings per hour, 20c.; number of working hours first five days, 10; number on Saturday, 9; wages paid weekly; average number of days idle per member during year, 75; general cause of idleness, scarcity of work; total number (union and non-union) employed at trade in your locality, 100; no difference in wages or hours of labour of those engaged in locality between members and non-members of organization; cash benefits, in case of death, $400; no special work such as reading room or evening classes; body incorporated and registered. President, Edward Blain, Barrie; Corresponding Secretary, James Elliott, Barrie; meets first Tuesday in month.

Belleville.

Name.—Bricklayers', Masons' and Plasterers' Union. Organized Oct. 26th, 1905; total membership, 22; average earnings per week, $13.50; average earnings per hour, 36c.; number of working hours first five days, 9; number on Saturday, 9; wages paid weekly; average number of days idle per member during year, 140; general cause of idleness, bad weather and no work; total number (union and non-union) employed at trade in locality, 34; difference in wages of those employed at trade in locality between members and non-members of organization, union men receive 36c. per hour, non-union 25c. to 30c.; no cash benefits of any kind; no special work for members such as reading room or evening classes; body incorporated. President, James Boyle, Belleville; Corresponding Secretary, Joseph Bradden, Station office, Belleville; meets first and third Mondays.

Name.—Brotherhood Locomotive Engineers, Div. 189. Organized Dec. 23, 1875; total membership, 50; average earnings per week, $27; wages paid monthly; number (union and non-union) employed at calling in locality, 53; no difference in wages and hours of labour of those engaged in calling between members and non-members of organization; cash benefits, sickness, $3 per week; in case of death, insurance; all members must insure; have reading room and air-brake classes for instruction. President, T. Marshall, Station P. O., Belleville; Corresponding Secretary, H. Lavoie, Box 34, Station P. O., Belleville; meets first and third Sundays in month.

Name.—Brotherhood Locomotive Firemen and Engineers (Challenge Lodge, No. 66). Organized 1879; total membership, 82; average earnings per week, $14; wages paid monthly; total number (union and non-union) employed at calling in locality, 89; no difference in wages and hours of labour between members and non-members of organization in locality; cash benefits, sickness, 50c. per day after 26 working days; in case of death, insurance policies from $500 to $3,000; out of work benefits, only in case of strike, which is $25 per month; no special work for members, such as reading room or evening classes; body incorporated and registered. President, Geo. Brown, Station P. O., Belleville; Corresponding Secretary, Robt. A. Acton, Station P. O., Belleville; meets second and fourth Sundays in month.

Berlin.

Name.—Boot and Shoe Workers' Union, No. 206. Organized March 1st, 1900; total membership, 37; average earnings per week, male, $10; female, $8; average earnings per hour, male, 20c.; female, 17c.; number of working hours first five days, 10; number on Saturday, 7½; wages paid fortnightly; average number of days idle per member during year, 21; general cause of idleness, stock-taking and

summer vacation; total number (union and non-union) employed at trade in locality, male, 150; female, 60; non-members of organization earn about $1 per week less than members; cash benefits, lack of employment dues are paid; sickness, $5 per week; in case of death, $100; no special work for members such as reading room or evening classes; body incorporated and registered. President, Louis B. Albrecht, 102 King St., Berlin; Corresponding Secretary, Herman W. Oberer, 130 Louisa St., Berlin; meets second and fourth Fridays.

Name,—Bricklayers', Masons' and Plasterers' Union, No. 12. Organized 1899; total membership, 86; average earnings per week, $15; average earnings per hour, 35c.; number of working hours first five days, 45; number on Saturday, 9; average number of days idle per member during year, winter months; general cause of idleness, inclement weather; total number (union and non-union) employed at trade in locality, 90; difference in wages and hours of labour of those engaged at trade in locality between members and non-members of organization, union men receive 35c. per hour for 9 hours per day; non-union, 25c. to 30c. for 10 hours per day; contemplate having reading room during winter months. President, John Hebel, Benton St., Berlin; Corresponding Secretary, Arthur D. Shimmer, 108 Weber St. E., Berlin; meets 1st and 3rd Fridays.

Name.—Association of Stationary Engineers, No. 9. Organized April 18th, 1903; total membership, 38; average earnings per week, $12; average earnings per hour, 20c. to 25c.; number of working hours first five days, 50; number on Saturday, 9; wages paid weekly; no idle days during year; total number (union and non-union) employed at calling in locality, 80; have evening classes for education in stationary engineering; body incorporated and registered. President, W. Gastmeyer, Bridgeport; Corresponding Secretary, C. Emmrisk, 186 Victoria St., Berlin; meets second and fourth Wednesdays.

Name. Cigarmakers' International Union, No. 422. Organized July 24, 1899; total membership, 26; average earnings per week, $8 to $11; average earnings per hour, 25c.; number of working hours first five days, 8; number on Saturday, 4; wages paid weekly; average number of days idle per member during year, 60; general cause of idleness, depression in trade and local option in many localities; total number (union and non-union) at trade in locality, male, 44; female, 6; non-union men work 10 hours per day, union men work 8 hours per day; cash benefits, lack of employment, $3 per week for 6 weeks at one time; sickness, $5 per week for 13 weeks; death, $40 to $550; out of work, $3 per week for 6 weeks at one time, and only $54 in one year; strike benefit, $5 per week for 16 weeks, then $3 per week till trouble ends; financial loans to members, $20 to travel in search of work; body not incorporated or registered. President, Leo Sobisch, Waterloo; Corresponding Secretary, Steve. Wellenser, 150 E. King St., Berlin; meets first, third and fourth Mondays in month, at 5 p.m.; regular meeting, second Wednesday in month, at 8 p.m.

Name.—Federal Labour Union, No. 17. Organized April 9, 1901; total membership, 125; average earnings per week, $10.50; average earnings per hour, 18c.; number of working hours first five days, 50; number on Saturday, 9; wages paid fortnightly; average number of days idle per member during year, 200; general cause of idleness, bad weather and no work; total number (union and non-union) employed at calling in locality, 200; what difference in wages or hours of labour of those engaged at calling in locality between members and non-members of organization, non-members average 50c. per day less than members; carry on educational work; body not incorporated or registered. President, Fred. Ackerknecht, Berlin; Corresponding Secretary, Otto H. Zimmer, Berlin; meets first and third Thursdays.

Name,—United Brotherhood of Carpenters and Joiners, No. 553. Organized April 14th, 1900; total membership, 29; average earnings per week, $10 to $12; average earnings per hour, 15c. to 25c.; number of working hours first five days, 45; number on Saturday, 9; wages paid fortnightly; average number of days idle per member during year, about three months; general cause of idleness, no work in winter months; total number (union and non-union) employed at trade in locality, about 150; no difference in wages or hours of labour of those engaged at trade in locality between members and non-members of organization; no cash benefits; body not incorporated or registered. President, R. F. Gofton, 177 Joseph St., Berlin; Corresponding Secretary, P. Jacobs, 106 Wellington St. E., Berlin; meets first and third Fridays in month.

Name,—Upholsterers' International Union, No. 42. Organized Feb. 12, 1908; total membership, 23; average earnings per week, $12; average earnings per hour, 20c.; number of working hours first five days, 50; number on Saturday, 9; wages paid fortnightly; average number of days idle per member during year, 40; general cause of idleness, owing to the influx of immigrants; more men are employed than are actually needed; total number (union and non-union) employed at trade in locality, 60; no difference in wages and hours of labour of those employed in locality between members and non-members of organization; no cash benefits; no reading room or evening classes; body not incorporated or registered. President, A. R. Nichol, Waterloo; Corresponding Secretary, A. R. Lee, 110 Weber St. W., Berlin; meets first and third Mondays in month.

Name,—Builders' Labourers' Union, No. 169. Organized July, 1905; total membership, 40; average earnings per week, $11; average earnings per hour, 20c. to 22c.; number of working hours first five days, 45; number on Saturday, 9; wages paid fortnightly; average number of days idle per member during year, greater part of the winter; general cause of idleness, no building going on; total number (union and non-union) employed at calling in locality, 40 at present; no cash benefits; have no reading rooms or evening classes. President, William Wahl, Berlin; Corresponding Secretary, Geo. Hofmann, 58 Homewood Ave., Berlin; meets first and third Wednesdays in month.

Name,—Berlin Musicians' Protective Association. Organized Jan., 1906; total membership, male, 84; female, 2. President, E. C. Schultz, 26 Brubacher St., Berlin; Corresponding Secretary, G. A. Albrecht, 149 Wellington St., Berlin; meets first Tuesday in month.

Name,—Journeymen Tailors' Union of America, No. 264. Organized May, 1900; total membership, male, 6; female, 6; average earnings per week, male, $10; female, $8; average earnings per hour, male, 18c.; female, 12c.; number of working hours first five days, 50; number on Saturday, 8; wages paid fortnightly; average number of days idle per member during year, 60; general cause of idleness, slackness in trade; total number (union and non-union) employed at trade in locality, 9 non-union men, 6 union; female, 6 union; 8 non-union; difference in wages or hours of labour of those engaged in trade in locality between members and non-members of organization, 30 per cent. lower in wages for non-union, and 10 per cent. more in hours than for members; cash benefits, sickness, $5 per week for 12 weeks; in case of death, $100; have some social evenings; label registered. President, Otto Stanch, 85 St. George St., Berlin; Corresponding Secretary, Annie Wuest, 104 College St., Berlin; meets first Tuesday in month.

Name,—Printing Pressmen and Assistants' International Union, No. 135. Organized Nov. 16, 1908; total membership, 10; average earnings per week, $12; average earnings per hour, 20c.; number of working hours first five days, 49.10

mins.; number on Saturday, 4.40 mins.; wages paid weekly and fortnightly; cash benefits, in case of death, $75 and $100; have evening classes for technical talks. President, V. L. Cober, 18 Kaiser St., Berlin; Corresponding Secretary, W. H. Thomas, 176 Benton St., Berlin; meets second Monday in month.

BRANTFORD.

Name.—Amalgamated Society of Carpenters and Joiners, No. 808. Organized May 4, 1906; total membership, 22; average earnings per week, $12; average earnings per hour, 30c.; number of working hours first five days, 50; number on Saturday, 5; wages paid weekly; average number of days idle per member during year, 40 to 60; general cause of idleness, winter weather and dulness of trade; total number (union and non-union) employed at trade in locality, 150; what difference in wages or hours of labour, if any, of those engaged in trade in locality between members and non-members of organization, from 10c. per hour and less for non-members; hours the same; cash benefits, sickness, $3 per week for 26 weeks, and $1.50 per week after that time; death, $60; superannuation, $3 and $1.75 per week; out of work, $2.50 per week for 12 weeks, and $1.50 for 12 weeks after that; also accident benefits up to $500; and tool insurance up to $75; no special work for members, such as reading room or evening classes; body registered. President, W. S. Jago, 111 Spring St., Brantford; Corresponding Secretary, James C. Coles, 150 Wellington St., Brantford; meets alternate Mondays in month in Union Hall.

Name.—Journeymen Barbers' International League, No. 298. Organized May 25, 1898; total membership, 27; average earnings per week, $11; average earnings per hour, 18c.; number of working hours first five days from 8 a.m. till 8 p.m.; number on Saturday, 8 a.m. till 11 p.m.; wages paid weekly; average number of days idle per member during year, 1 per cent.; general cause of idleness, sickness; total number (union and non-union) employed at trade in locality, 41; what difference in wages or hours of labour, if any, of those engaged at trade in locality between members and non-members of organization, have no non-union shops; several apprentices; cash benefits, sickness, $5 per week for 16 weeks; death, from $60 to $500; no special work for members such as reading room or evening classes; body incorporated and registered. President, James Rice, 9 George St., Brantford; Corresponding Secretary, A. R. Morgan, 42½ Market St., Brantford; meets last Monday in month.

Name.—International Association of Machinists, No. 564. Organized February, 1903; total membership, 50; average earnings per week, $12; average earnings per hour, 20c.; number of working hours first five days, 50; number on Saturday, 5; wages paid fortnightly; average number of days idle per member during year, depends on condition of trade; total number (union and non-union) employed at trade in locality, 200; cash benefits, sickness, $4 per week; death, $200; superannuation, $1,000 for 20 years' membership; body incorporated and registered. President, Thos. Kirkly, Queen St.; Corresponding Secretary, Joseph P. Hawkins, 98 Albion St.; meets first and third Mondays in month.

Name.—Operative Plasterers' International Association, No. 164. Organized March 23, 1900; total membership, 12; average earnings per week, $18.90; average earnings per hour, 35c.; number of working hours first five days, 45; number on Saturday, 9; wages paid weekly; average number of days idle per member during year, nothing doing since last December; no building going on; total number (union and non-union) employed at trade in locality, 19; difference in wages and hours of labour of those engaged at trade in locality between members and non-members of organization, no difference in hours, but sometimes non-members work

for less wages than union men; cash benefits, in case of death, $50; body not incorporated or registered. President, Henry Woods, Port St., Brantford; Corresponding Secretary, Alfred D. Bennett, Brantford; meets alternate Thursdays in Union Hall.

Name,—Brantford International Typo. Union, No. 378. Organized June, 1900; total membership, 22; average earnings per week, $13; average earnings per hour, 27; number of working hours per week, 48; wages paid weekly; no idle days; total number (union and non-union) at same trade in locality, 22; all union men; cash benefits, death, $75; not incorporated or registered. President, James Finch, Brantford; Corresponding Secretary, E. R. Sayles, 126 Chatham St., Brantford; meets fourth Saturday.

Name,—International Moulders' Union, No. 29. Organized 1852; total membership, 200; average earnings per week, $15; average earnings per hour, 25c.; number of working hours first five days, 60; number on Saturday, 5; wages paid fortnightly; average number of days idle per member during year, 30; general cause of idleness, stock-taking and slack season; total number (union and non-union) employed at trade in locality, 400; difference in wages or hours of labour of those engaged at trade in locality between members and non-members of organization, no percentage paid to non-members; cash benefits, out of work, stamp used; sickness, $5.40 per week; death, $200; out of work benefit, 13 weeks' dues; have special work for members such as reading room, evening classes, etc.; body incorporated and registered. President, Herbert Fogal, Park Avenue, Brantford; Corresponding Secretary, Coleman Crowley, 471 Colborne St., Brantford; meets alternate Mondays.

Name,—Cigarmakers' International Union, No. 59. Organized March 15, 1886; total membership, male, 15; female, 1; average earnings per week, male, $8; female, $8; average earnings per hour, male, 25c.; female, 25c.; number of working hours first five days, 40; number on Saturday, 4; wages paid weekly; average number of days idle per member during year, 85; general cause of idleness, slackness of trade and Government changes in revenue and duty; total number (union and non-union) employed at trade in locality, male, 20; female, 50; difference in wages and hours of labour of those engaged in trade in locality between members and non-members of organization, wages, $2; hours, 2 per day in favor of union men; cash benefits, sickness, $5 per month; death, $50 to $550; out of work, $3 per week; body incorporated and registered. President, W. J. Spingle, Box 165, Brantford; Corresponding Secretary, F. Mather, 75 Greenwich St.; meets third Tuesday in month.

Name,—Bricklayers' and Masons' Int'l. Union, No. 91. Organized March 3, 1898; total membership, 80; average earnings per week, $12; average earnings per hour, 45c.; number working hours first five days, 40; number on Saturday, 4; wages paid weekly; number of idle days per member during year, 90; general cause of idleness, winter months; total number (union and non-union) employed at trade in locality, 110; difference in wages and hours of labour, if any, of those employed at trade in locality between members and non-members of organization, non-members work 10 per day and have no set scale of wages; cash benefits, in case of death, $50; have no special work for members, such as reading room, evening classes, etc.; body not incorporated or registered. President, Thos. Cooper, Brantford; Corresponding Secretary, W. J. Kerr, 8 Henrietta St., Brantford; meets alternate Thursdays.

Name,—Bartenders' International League, Local 182. Organized 1899; total membership, 29; average earnings per week, $11; number of working hours first five days, 44; number on Saturday, 12; wages paid weekly and monthly; total

number (union and non-union) employed at calling in locality, 25; no difference in wages or hours of labour between members and non-members of organization; cash benefits, sickness, $3 per week; death, $50; no special work for members, such as reading room, evening classes, etc.; body not incorporated or registered. President, Albert Hawarth, Vendome Hotel, Brantford; Corresponding Secretary, Thos. McCusker, Bodega Tavern, Brantford; meets last Sunday in month.

Name,—Journeymen Tailors' Union of America, Local No. 117. Organized April 1st, 1891; total membership, male, 30; female, 35; average earnings per week, male, $10; female, $3 (all piece work); average earnings per hour, male, 22c.; female, 15c. to 18c.; number of working hours first five days, 50, and overtime to 15 hours; number on Saturday, 10; wages paid weekly; average number of days idle per member during year, about 60; in bad times more; general cause of idleness, "season trade," bad times and working so much overtime in busy season; total number (union and non-union) employed in trade in locality, 70; male, 32; female, 38; no difference in wages and hours of labour of those engaged at trade in locality between members and non-members of organization; cash benefits, $5 per week for ten weeks in year; death, $100, full members; no special work for members, such as reading room or evening classes; body registered. President, Frank Reed, 41 Port Street, Brantford; Financial Secretary, R. J. Campbell, Brantford; meets 4th Tuesday in month.

Bridgeburg.

Name,—Brotherhood of Railway Carmen, No. 10. Total membership, uncertain, as men are working on short time; average earnings per week, $8; average earnings per hour, 16c.; number of working hours first five days, 45; number on Saturday, 9; wages paid monthly; average number of days idle per member during year, 12; general cause of idleness, dull times; carpenters make about $37 to $38 per month on account of idle periods. President, Theo. Marter, Bridgeburg; Corresponding Secretary, A. Merryweather, Bridgeburg.

Brockville.

Name,—Journeymen Barbers' International League, Local No. 387. Organized March 29, 1902; total membership, 13; average earnings per week, $12; number of working hours, first five days, 55; number on Saturday, 14; wages paid weekly; average number of days idle per member, during year, none, except holidays; total number (union and non-union) employed at trade in locality, 18; cash benefits, sickness, $5 per week; death, $60 to $500; no special work for members, such as reading room, evening classes, etc. President, Anson Carr, Brockville; Corresponding Secretary, Fred J. Clutterbuck, Box 629, Brockville; meets last Monday in month.

Name,—Order of Railway Conductors, Div. No. 366. Organized February, 1894; total membership, 31; average earnings per week, $20; average earnings per hour, 29c.; number of working hours per week, paid per mile, and it depends on the traffic; wages paid monthly; average number of days idle per member during year, uncertain; general cause of idleness, slackness of traffic; total number (union and non-union) employed at calling in locality, 41; no difference in wages and hours of labour of those employed at calling in locality between members and non-members of organization; cash benefits, death, $1,000 to $5,000; not incorporated or registered. President, James Splan, William Street, Brockville; Corresponding Secretary, R. McConachie, Box 553, Brockville; meets 1st Monday in month at 2 p.m.

Name,—United Brotherhood of Carpenters and Joiners of America, No. 799. Total membership, 24; average earnings per week, $16.20; average earnings per hour, 30c.; number of working hours first five days, 45; number on Saturday, 9; wages paid weekly; average number of days idle per member during year, 90; general cause of idleness, no work going on; total number (union and non-union) employed at trade in locality, 31; difference in wages and hours of labour of those engaged in trade in locality between members and non-members of organization, 25c. per day in favour of member; cash benefits, death, continuously in good standing for four years, $400. President, F. W. Clow, King Street W., Brockville; Corresponding Secretary, W. E. Brown, Box 396, Brockville; meets every Thursday in month.

Name,—Journeymen Tailors' International Union, No. 262. Organized 1900; total membership, male, 10; female, 11; average earnings per week, male, $10; female, $7; average earnings per hour, male, 20c.; female, 15c.; number of working hours first five days, 50; number on Saturday, 10; wages paid weekly; average number of days idle per member during year, 30; general cause of idleness, dull season; total number (union and non-union) employed at trade in locality, male, 15; female, 17; difference in wages or hours of labour of those engaged at trade in locality between members and non-members of organization, ten per cent. in favour of members; cash benefits, sickness, $5 per week for ten weeks; death, four years' membership, $100; no special work for members such as reading room, evening classes, etc.; not incorporated or registered. President, Chas. A. Cato, Brockville; Corresponding Secretary, David Muirhead, Box 40, Brockville; meets 2nd Monday in month.

Name,—Brotherhood of Locomotive Engineers. Organized 1869; total membership 36; average earnings per week, from $25 to $30; number of working hours first five days, from 15 to 40; same on Saturday; wages paid monthly; average number of days idle per member during year, depends on business; slackness of freight cause of general idleness; total number (union and non-union) employed at calling in locality, 39, 38 union and 1 non-union; no difference in wages and hours of labour of those employed at calling in locality between members and non-members of organization; cash benefits, $3 per week from company and $3 per week from society; company have a pension fund, have classes for instruction in air-brake work and care of locomotive; body not incorporated in Canada. President, E. Mortimer, Brockville; Corresponding Secretary, R. Wardrop, Box. 666, Brockville; meets 1st Sunday afternoon in month and last Wednesday evening in month.

Name,—Brotherhood of Locomotive Firemen and Engineers, No. 69. Organized Aug. 7, 1881; total membership, 52; working hours and wages, according to the run; wages paid monthly; no difference in wages or hours of labour between members and non-members; death benefits $500 to $3,000; no other cash benefits; no special work for members. President, A. W. Dales, Brockville; Corresponding Secretary, R. H. Weir, Brockville; meets Thursday, 1.30 p.m.

Chapleau

Name,—Brotherhood of Locomotive Engineers, No. 319. Organized October, 1886; total membership, 40; average earnings per week, $40; average earnings per hour, 40c.; number of working hours per week, work on mileage basis; wages paid monthly; average number of days idle per member during year, uncertain on account of fluctuation of traffic; total number (union and non-union) employed at calling in locality, 50; no difference in wages and hours of labour of those engaged

at calling in locality between members and non-members of organization; cash benefits, superannuation, $20 per month; death, insurance, any amount to $1,500; no special work for members, such as reading room, evening classes, etc.; but at regular meetings beneficial discussions take place; body incorporated and registered in connection with International. President, J. A. Rathnell, Chapleau; Corresponding Secretary, J. D. McAdam, Chapleau; meets Monday.

Name.—Brotherhood Locomotive Firemen and Engineers (Snowdrift), No. 321. Total membership, 73; average earnings per week, $25; wages paid monthly; number of days idle per member during year, uncertain; slackness of traffic general cause of idleness; total number (union and non-union) employed at calling in locality, 120; no difference in wages and hours of labour of those employed at calling in locality, between members and non-members of organization; cash benefits, sickness, $4 per week; death, various amounts; have educational classes for members; not incorporated or registered. President, H. A. Pepper, Chapleau; Corresponding Secretary, Geo. McCord, Box 39, Chapleau; meets every Wednesday afternoon.

Chatham.

Name.—Canadian Association of Stationary Engineers, No. 21. Organized May, 1887; total membership about 500 (in Ontario); average earnings per week, $12; average earnings per hour, 17c.; number of working hours first five days, 55; number on Saturday, 11; wages paid weekly; general cause of idleness, dull times; no difference in wages and hours of labour between members and non-members of organization in locality; no special work for members, such as evening classes, reading room, etc., believe in the principle of better education; body incorporated. President, C. Kelly, 83 Adelaide Street, Chatham; Corresponding Secretary, W. A. Crockett, Mount, Hamilton.

Collingwood.

Name.—Bricklayers' and Masons' International Union, No. 19. Total membership, 15; average wages per hour, 37 1-2c.; number of working hours first five days, 45; number on Saturday, 9; wages paid fortnightly; average number of days idle per member during year, 150; general cause of idleness, winter months; total number (union and non-union) employed at trade in locality, 20; difference in wages and hours of labour of those engaged at trade in locality between members and non-members of organization, about 50c. per day in favour of union men; non-union men work 10 or 12 hours per day; no cash benefits; no special work for members, such as reading room or evening classes; not incorporated or registered. President, Edwin Chamberlain, Collingwood; Corresponding Secretary, Willis Court, Box 787, Collingwood; meets 1st and 3rd Wednesdays in month.

Name.—Longshoremen's International Association, No. 476. Organized March, 1902; total membership, 20; average earnings per week, $12; average earnings per hour, 30c.; number of working hours first five days, 50; number on Saturday, 10; wages paid after finishing each boat; average number of days idle per member during year, 150; general cause of idleness, slackness of work; no difference in wages and hours of labour of those engaged at calling in locality between members and non-members of organization; body incorporated and registered. President, John Potts, Collingwood; Corresponding Secretary, Ernest Johnston, Collingwood; meets 1st and 3rd Mondays in month.

Cornwall.

Name,—Journeymen Tailors' Union of N. A., No. 355. Organized July 1, 1902; total membership, male, 10; average earnings per week, $11; average earnings per hour, 19c.; number of working hours first five days, 50; number on Saturday, 10; wages paid weekly; average number of days idle per member during year, 30; general cause of idleness, no work, slack time, especially in January and February; total number (union and non-union) employed at trade in locality, male, 14; female, 10; cash benefits, sickness, $5 per week; death, $100; no special work, such as reading room or evening classes; not incorporated or registered. President, Tancrede Dalbree, Cornwall; Corresponding Secretary, Jean Baptiste Ouellette, Box 414, Cornwall; meets 1st Monday in month.

Dundas.

Name,—United Garment Workers of America, No. 50. Organized 1899; total members, male, 50; female, 70; average earnings per week, male, $10; female, 86; average earnings per hour, male, 21c.; female, 14½c.; number of working hours first five days, 45; number on Saturday, 4; wages paid weekly; average number of days idle per member during year, 18; general cause of illness, holidays; total number (union and non-union) employed at trade in locality, male, 50; female, 70; no special work for members, such as reading room or evening classes; not incorporated or registered. President, J. A. Ward, Dundas; Corresponding Secretary, Wm. Chassels, King Street E., Dundas; meets 1st and 3rd Tuesdays in month.

Name,—International Moulders' Union, No. 269. Organized Feb. 17, 1900; total membership, 23; average earnings per week, $13.75; average earnings per hour, 25c.; number of working hours first five days, 50; number on Saturday, 5; wages paid fortnightly; total number (union and non-union) employed at trade in locality, 27; no difference in wages or hours between members and non-members of organization; cash benefits, sickness, $5.40 per week; death, from $100 to $200; out of work, dues paid for 13 weeks; not incorporated or registered. President, Albert Boyle, Dundas; Corresponding Secretary, William Watts, Box 315, Dundas; meets 3rd Monday in month.

Essex.

Name,—International Brotherhood of Maintenance of Ways Employees (Townsend Lodge), No. 312. Organized Jan. 17, 1907; total membership, 30; average earnings per week, $8.10; average earnings per hour, 13 1-2c.; number of working hours first five days, 50; number on Saturday, 10; wages paid monthly; total number (union and non-union) employed at calling in locality, 12; body incorporated and registered. President (Int'l), A. B. Lowe, St. Louis, Mo.; Secretary and Treasurer, P. Diltz, Box 322, Essex.

Finch.

Name,—International Brotherhood of Maintenance of Ways Employees (Winchester Lodge), No. 136. Total membership, 50; average earnings per week, $9.30 to $12.30; average earnings per hour, 15½c. to 21½c.; number of working hours first five days, 50; number on Saturday, 10; wages paid monthly; general cause of illeness, sickness or accidents; total number (union and non-union) employed at calling in locality, 50; about 20 per cent. non-union; no difference in wages or hours of labour of those engaged at calling in locality between members and non-members of organization; cash benefits, death none, unless insured; in some cases

company superannuates old men. President, Frank Bragg, Avonmore; Corresponding Secretary, Daniel McMillan, Monklands Station; meets at call of President.

Fort Frances.

Name,—United Brotherhood, Carpenters and Joiners of America, No. 1222. Organized March, 1907; total membership, 20; average earnings per week, $18; average earnings per hour, 30c.; number of working hours first five days, 50; number on Saturday, 10; average number of days idle per member during year, 72; general cause of idleness, scarceness of money and bad weather; total number (union and non-union) employed at trade in locality, 30; no difference in wages or hours of labour of those engaged at trade in locality between members and non-members of organization, but those called "handy men" receive from 5c. to 10c. per hour less; cash benefits, death, from $50 to $200; superannuation, $100 to members in good standing who are disabled and cannot work at trade; body incorporated in Canada, and registered in the United States. President, James Wallace, Fort Frances; Corresponding Secretary, A. E. Blow, Fort Frances; meets 1st and 3rd Mondays in month.

Fort William.

Name,—International Brotherhood Maintenance of Ways Employees, Division No. 128. Organized February, 1903; total membership, 120; average earnings per week, $10.20; average earnings per hour, 17c. for permanent hands; 15c. for extra gang work; number of working hours first five days, 50; number on Saturday, 10; wages paid monthly; average number of days idle per member during year, they vary; general cause of idleness, reduction of staff in winter months; cash benefits, death, insurance (optional) from $250 to $1,000; no special work for members such as reading room or evening classes. Included in Maintenance of Ways Department the following rates are paid: Pumpmen, $51.50 per month; Signal and Interlocking Men, $1.75 per day; Pump Repairers, $78 to $88 per month; Bridgemen, from 20c. to 22c. per hour; Carpenters, 29c. to 30½c. per hour; Painters, 27½c. per hour; Foremen Painters, $3.30 per day; Foremen Bridge Gangs, 33½c. to 35½c. per hour; Foremen Section Gangs, $2.55 to $2.90 per day; Foremen extra gangs, $2.55 to $3.55 per day. President, A. H. Armstrong, 126 Frederick Street, Fort William; Corresponding Secretary, A. Rowe, 114 N. Harold Street, Fort William; meets 1st Saturday in month.

Name,—Boilermakers' and Helpers' International, Local No. 505. Organized October, 1907; total membership, 21; average earnings per week, $21.60; helpers, $14.31; average earnings per hour, boilermakers, 40c.; helpers, 26½c.; number of working hours first five days, 40; number on Saturday, 8; wages paid monthly; general cause of idleness, short time, through winter, to 5 days per week; total number (union and non-union) employed at trade in locality, 21; all union men; no difference in wages or hours of labour between members and non-members of organization; cash benefits, death, $50; out of work, only strike allowance; body registered. President, William Morris, 117 Cameron St., Fort William; Corresponding Secretary, G. E. Thompson, 121 Cameron St., Fort William; meets 1st and 3rd Mondays in month.

Name,—International Moulders' Union, No. 429. Organized Sept. 20, 1906; total membership, 19; average earnings per week, $18; average earnings per hour, 30c.; number of working hours first five days, 50; number on Saturday, 9; wages paid fortnightly; average number of days idle per member during year, stove plate

moulders, 3 days per week at present time; machinery moulders, 6 days per week at present time; total number (union and non-union) employed at trade in locality, 40; difference in wages and hours of labour of those employed at trade in locality, between members and non-members of organization, union men receive $3 per day; non-union men, $1.75; cash benefits, sickness, $5.25 per week; death, $100 to $175; out of work, 13 weeks' exemption of dues annually. President, Chas. Shiers, care Copp's Foundry; Corresponding Secretary, F. Christianson, 180 Francis St., Fort William; meets 4th Saturday in month.

Name, International Brotherhood of Locomotive Engineers, Kaministiquia Div., No. 243. Organized 1887; total membership, 50; average earnings per week, $30; average earnings per hour, 46½c.; number of working hours first five days, paid on mileage basis; wages paid monthly; average number of days idle per member during year, depends on traffic and weather conditions in winter; total number (union and non-union) employed at calling in locality, 75; no difference in wages or hours of labour of those employed at calling in locality between members and non-members of organization; cash benefits, death, from $1,500 to $4,000; superannuation, $25 per month; body incorporated and registered. President, W. Blanchard, 119 Brodie St., Fort William; Corresponding Secretary, H. Mills, 153 McKenzie St., Fort William; meets 2nd and 4th Tuesdays in month.

Name,—International Longshoremen and (Coal) Trimmers' Association, No. 746. Organized Aug. 30th, 1906; total membership, 250; average earnings per week, $17.50; average earnings per hour, 29c.; number of working hours first five days, 50; number on Saturday, 10; wages paid monthly; average number of days idle per member during year, less men employed in winter time; total number (union and non-union) employed at calling in locality, 300; no difference in wages or hours of labour of those employed at calling in locality between members and non-members of organization; no cash benefits; body incorporated and registered. President, A. Gray, Ogden Hotel, Fort William; Corresponding Secretary, W. G. Sheridan, 643 McTavish St., Fort William; meets 1st and 3rd Thursdays in month.

Name,—Fort William Typographical (Int'l) Union, No. 417. Organized 1905; total membership, 18; average earnings per week, $20; number of working hours first five days, 40; number on Saturday, 8; wages paid weekly; total number (union and non-union) employed at trade in locality, 18; cash benefits, death, $75; superannuation, $4 per week; not incorporated or registered. President, David Ross, *Times-Journal* Office, Fort William; Corresponding Secretary, Geo. R. Wallace, Box 396, Fort William; meets first Saturday in month.

Name,—Amalgamated Society of Carpenters and Joiners, No. 813. Organized March 5th, 1908; total membership, 40; average earnings per week, $21; average earnings per hour, 35c.; number of working hours first five days, 50; number on Saturday, 10; wages paid fortnightly; difference in wages and hours of labour of those engaged at trade in locality between members and non-members of organization, union men receive 35c. per hour, minimum; non-union men, 27½ to 35c.; cash benefits, lack of employment, $7.50 per week; sickness, $3 per week; death, $60; superannuation, $2 and $1.75 per week; accident benefit, total disablement, $5.00, partial, $2.50; temporary, $1.25; body registered. President, S. Wilson, 98 Ontario St., Port Arthur; Corresponding Secretary, H. Blackburn, 350 N. Marks St., Fort William; meets 2nd and 4th Mondays in month.

Name.—International Longshoremen's (Grain Trimmers) Association, No. 479. Organized May, 1904; total membership, 30; average earnings per week, $25; number of working hours first five days, 10 to 20 per day; number on Saturday, 10 to 24, and 10 to 24 on Sunday, in busy season; wages paid weekly; average num-

ber of days idle per member during year, 120; general cause of idleness, close of navigation; all are union men in locality; cash benefits, sickness, remuneration optional with unions; if member happens with accident while at work he receives full pay while off; body incorporated and registered. President, Robert McCollum, Fort William; Corresponding Secretary, W. Houston, Box 416, or 215 S. Brodie St., Fort William; meets at call of President.

GALT.

Name,—International Moulders' Union of N. A., No. 147. Organized 1903; total membership, 60; average earnings per week, $12; average earnings per hour, 22c.; number of working hours first five days, 50; number on Saturday, 5; wages paid fortnightly; average number of days idle per member during year, 60; general cause of idleness, depression of trade and sickness; total number (union and non-union) employed at trade in locality, 200; no difference in wages or hours of labour of those employed at trade in locality between members and non-members of organization; cash benefits, lack of employment, dues paid for 13 weeks; sickness $5.40 per week; death, from $100 to $200; no special work for members such as reading room and evening classes; not incorporated or registered. President, A. Henderson, Galt; Corresponding Secretary, David Melvin, Box 356, Galt; meets 1st and 3rd Mondays in month.

Name,—American Federation of Musicians (Galt Kiltie Band), No. 124. Organized April 3, 1906; total membership, 28; average earnings per hour, 35c.; body incorporated and registered. President, Wm. Ewart, Galt; Corresponding Secretary, P. G. Ruppel, Walnut St., Galt; meets 1st Tuesday in month.

Name,—Patternmakers' League of North America. Organized April 8, 1909; total membership, 12; average earnings per week, $13.20; average earnings per hour, 24c.; number of working hours first five days, 50; number on Saturday, 5; wages paid fortnightly; total number (union and non-union) employed at trade in locality, about 20; cash benefits, sickness, $4 per week; death, from $50 to $400; superannuation, $12 to $16. President, James Fraser, Galt; Corresponding Secretary, James McMorran, Galt P.O.; meets 1st and 3rd Mondays in month.

GUELPH.

Name,—Piano, Organ & Musical Instrument Workers' Union, No. 34. Organized May 22, 1902; total membership, 100; average earnings per week, $9.68; average earnings per hour, 22c.; number of working hours first five days, 40; number on Saturday, 4; wages paid fortnightly; average number of days idle per member during year, 66; general cause of idleness, slackness in trade; total number (union and non-union) employed at trade in locality, 180; no difference in wages or hours of labour in locality between members and non-members of organization; cash benefits, sickness, $5 per week; death, $50 to $300, according to length of membership; out of work, members pay no dues; have a shop mutual benefit of 10c. per week assessment, and pay $4.75 per week for sickness and accidents; body not incorporated or registered. President, Alex. G. Cross, Nottingham St., Guelph; Corresponding Secretary, F. S. Howard, 18 Berlin St., Guelph; meets 1st and 3rd Thursdays.

Name,—Guelph International Typographical Union, No. 391. Organized July 19, 1900; total membership, 27; average earnings per week, $12.50; average earnings per hour, 30c.; number of working hours first five days, 40; number on Saturday, 8; wages paid weekly; average number of days idle per member during year, only holidays; total number (union and non-union) employed at trade in

locality, 27; no non-union men working at trade; cash benefits, death, $80; superannuation, $4 for 20-year membership and 60 years of age, paid by International. President, Alfred E. Humphries, Box 554, Guelph; Corresponding Secretary, John Jones, Forest St., Guelph; meets 2nd Monday in month.

Name.—Journeymen Stonecutters of America, No. 7. Organized 1903; total membership, 8; average earnings per week, $19.50; average earnings per hour, 49c.; number of working hours first five days, 40; number on Saturday, 8; wages paid fortnightly; average number of days idle per member during year, 100; general cause of idleness, lack of work and bad weather; no non-union men in locality; cash benefits, death, $100. President, James Reiley, Guelph; Corresponding Secretary, B. Hagan, Guelph P. O.; meets 1st and 3rd Thursdays in month.

Name,—Bricklayers' and Masons' International Union, No. 3. Organized 1882; total membership, 30; average earnings per week, $24.60; average earnings per hour, 40c.; number of working hours first five days, 45; number on Saturday, 9; wages paid weekly and fortnightly; average number of days idle per member during year, 100; general cause of idleness, winter months and bad weather; total number (union and non-union) employed at trade in locality, 31; there are a few foreigners that cannot properly be classed as non-union men; cash benefits, out of work, union helps financially, but no definite sum; have reading room during winter months; body not incorporated or registered. President, John Bennalick, Hearn Avenue; Corresponding Secretary, John Gould, 107 Alma St., Guelph; meets 2nd and 4th Thursdays in month.

Name.—Journeymen Tailors' Union of America, No. 297. Organized April, 1900; total membership, male, 16; female, 20; average earnings per week, male, $10; female, $5; number of working hours first five days, 45; number on Saturday, 9; wages paid weekly; general cause of idleness, lack of work; total number (union and non-union) employed at trade in locality, male, 19; female, 22; cash benefits, sickness, $5 per week; death, $40 to $100, according to length of membership; body not incorporated or registered. President, Charles Smith, Guelph; Corresponding Secretary, Miss Teenie Artell, 130 Oxford St.; meets 1st Monday in month.

Name.—Brussels Carpet Weavers' Union, No. 277. Organized August, 1900; total membership, 24; average earnings per week, $10; number of working hours first five days, 50; number on Saturday, 5; wages paid fortnightly; average number of days idle per member during year, 60; general cause of idleness, lack of work; total number (union and non-union) employed at trade in locality, 24; all are members of union. President, William Collville, Elizabeth St., Guelph; Corresponding Secretary, Thos. Hall, 17 Hooper St., Guelph; meets 3rd Monday in month.

Name,—International Moulders' Union, No. 212. Organized June 3, 1881; total membership, from 75 to 90; average earnings per week, $16.50; average earnings per hour, 27½c.; number of working hours first five days, 50; number on Saturday, 9; wages generally paid fortnightly; general cause of idleness, slackness of work; total number (union and non-union) employed at trade in locality, 165; union, 90; non-union, 75; non-members work longer time than members; all piecework; cash benefits, sickness, $5.40 per week; out of work, dues paid for 13 weeks; death, graduated scale. President, Wm. Gordon, Edinborough Rd.; Corresponding Secretary, J. R. Thatcher, 47 Inkerman St., Guelph; meets 1st and 3rd Fridays in month.

Name.—Bartenders' International League of America, Local No. 104. Organized Oct. 13th, 1901; total membership, 21; average earnings per week, $15; average earnings per hour, 20c.; number of working hours first five days, 60; num-

ber on Saturday, 12; wages paid monthly; total number (union and non-union) employed at calling in locality, 40; difference in wages and hours of labour of those engaged at calling in locality between members and non-members of organization, $1 per week in favour of members; cash benefits, sickness, $5 per week; death, $50; have reading and club rooms. President, Philip Heamell, Queen's Hotel, Guelph; Corresponding Secretary, Robert McCaw, Victoria Hotel, Guelph; meets 1st Friday afternoon in month.

Name,—Tapestry Weavers' Union, No. 585. Organized March 14, 1907; total membership, male, 9; female, 1; average earnings per week, male, $8; female, $6; average earnings per hour, male, 15c.; female, 11c.; number of working hours first five days, 50; number on Saturday, 5; wages paid fortnightly; average number of days idle per member during year, 90; general cause of idleness, depression in trade; all are members in the locality belonging to the trade; no cash benefits; body incorporated and registered in the United Textile Workers of America. President, Allan Macdonald, Surrey St., Guelph; Corresponding Secretary, F. Drabrzal, 39 Bay St., Guelph; meets 2nd Wednesday in month.

Hamilton.

Name,—Amalgamated Society of Carpenters and Joiners, No. 815. Organized June 4, 1860; total membership, 103; average earnings per week, $16.50; average earnings per hour, 37½c.; number of working hours first five days, 40; number on Saturday, 4; wages paid weekly; general cause of idleness, slackness in work and bad weather; cash benefits, out of employment, $2.50 per week; sickness, $3 per week; death, $60; superannuation, $1.75 to $2 per week; no special work for members such as reading room and evening classes. President, P. Gemmell 100 Bay St. N., Hamilton; Corresponding Secretary, F. H. Smith, 73 Catharine St. N., Hamilton; meets alternate Mondays in month.

Name,—Amalgamated Society of Engineers, No. 646. Organized Jan. 1, 1851; total membership, 50; number of working hours first five days, 50; number on Saturday, 5 to 10; wages paid fortnightly; general cause of idleness, bad state of trade; cash benefits, lack of employment, $2.50 per week; sickness, $2.50 per week; death, $60; member's wife, $25; superannuation (full) $2.50 per week; out of work, $2.50 per week; benefits vary according to length of membership, length of time sick, and length of time out of work; body incorporated and registered. President, Samuel Clarke, 37 Frances St., Hamilton; Corresponding Secretary, R. C. Paterson, 187 Napier St., Hamilton; meets alternate Fridays in month; last meeting March 19th.

Name,—International Brotherhood of Bookbinders, No. 114. Organized April 18, 1902; total membership, 5; average earnings per week, male, $14; female, $4; average earnings per hour, male, 29c.; female, 8½c.; number of working hours first five days, 45; number on Saturday, 3; wages paid weekly; total number (union and non-union) employed in trade in locality, male, 8; female, 30; no difference in wages and hours of labour of those engaged at trade in locality between members and non-members of organization; cash benefits, death, $50; not incorporated or registered. President, John Glockling, 125 Victoria Avenue North, Hamilton; Corresponding Secretary, W. E. Mink, 120 Locke St. North, Hamilton; meets 4th Wednesday in month.

Name,—Journeymen Barbers' International League, No. 131. Organized Oct. 20, 1900; total membership, 85; average earnings per week, $12; number of working hours first five days, 50; number on Saturday, 13; wages paid weekly; difference in wages and hours of labour of those engaged at calling in locality be-

tween members and non-members of organization, about $2 per week less for non-members and 7 hours more work per week; cash benefits, sickness, $5 per week; death, $60 to $500; no special work for members such as reading room or evening classes; body not incorporated or registered. President, William McCaul, 141 James St. N., Hamilton; Corresponding Secretary, H. J. Halford, 59 John St. S., Hamilton; meets first and third Mondays in month.

Name.—Brotherhood of Painters and Decorators, Local 205. Organized June 26, 1900; total membership, 84; average earnings per week, $15; average earnings per hour, 30c.; number of working hours first five days, 15 in summer; 40 in winter; number on Saturday, 5 in summer; 4 in winter; wages paid weekly; average number of days idle per member during year, 30; general cause of idleness, inclement weather; total number (union and non-union) employed at trade in locality, about 150; difference in wages and hours of labour of those engaged at trade in locality between members and non-members of organization, from 2½ to 10c. per hour in favor of members; cash benefits, death, from $100 to $250; no special work for members such as reading room or evening classes; body incorporated in U.S., and registered. President, Frank Dwyer, 84 Murray St. E., Hamilton; Corresponding Secretary, B. J. Somerville, 103 Locke St. S., Hamilton; meets first and third Mondays, in Trades and Labour Hall.

Name.—Brewery Workers' International Union, No. 312. Organized December, 1905; total membership, 54; average earnings per week, $14; average earnings per hour, 20c.; number of working hours first five days, 50; number on Saturday, 6; wages paid weekly; all union at calling in vicinity; no special work for members such as reading room or evening classes. President, James White, 12 Napier St., Hamilton; Corresponding Secretary, Valentine Theloff, Spring Brewery; meets second and fourth Tuesdays in month.

Name.—United Brotherhood of Carpenters and Joiners of America, No. 18. Organized 1881; total membership, 110; average earnings per week, $16; average earnings per hour, 37½c.; number of working hours first five days, 40; number on Saturday, 4; wages paid weekly and by the hour; average number of days idle per member during year, 60; general cause of idleness, winter season, and too many immigrant carpenters coming from Great Britain; total number (union and non-union) employed at trade in locality, 450; difference in wages and hours of labour of those engaged at trade in locality between members and non-members of organization, union men receive the higher wage; non-union men take what is offered them; cash benefits, death, $200; body incorporated. President, W. J. Friel, 25 Nelson St., Hamilton; Corresponding Secretary, Jas. Calvert, 15 Tom St., Hamilton; meets first and third Tuesdays in month.

Name.—Journeymen Tailors' Union, No. 149. Organized 1883; total membership, male, 15; female, 10; average earnings per week, male, $15; female, $7; number of working hours per week, all work on piece, no stated hours; wages paid weekly; average number of days idle per member during year, about 60; general cause of idleness, slack seasons; total number (union and non-union) employed at trade in locality, male, 90; female, 40; no difference in wages and hours of labour of those employed at trade in locality between members and non-members of organization; cash benefits, sickness, $5 per week; death, $50, $75, and $100; body registered. President, Harry Hoft, Locke St. N., Hamilton; Corresponding Secretary, Thos. Monogue, Mountain Top, east end, Hamilton; meets last Monday in month.

Name.—Cigarmakers' International Union, No. 55. Organized 1864; total membership, male, 208; female, 12; average earnings per week, male, $11; female,

$11; average earnings per hour, all are on piecework; number of working hours first five days, 40; number on Saturday, 1; wages paid weekly; number of days idle per member during year, 45; general cause of idleness, local option and change of inland revenue laws; trade all organized in locality; cash benefits, sickness, $5 per week; death, $50 to $550; out of work, $5 per week; body registered. President, C. J. Meadin, Tuckett Cigar Co., Hamilton; Corresponding Secretary, F. Hough, 170 Duke St., Hamilton; meets second Tuesday in month.

Name,— Federal Labour Union (City Firemen), No. 11. Organized 1900; total membership, 43; wages paid fortnightly; death benefit, $50. President, John Smith, Colborne St., Hamilton; Corresponding Secretary, Robt. Aitchison, 206 McNab St. N., Hamilton; meets first Monday in month.

Name.—Canadian Association of Stationary Engineers, No. 2. Organized 1888; total membership, 61; average earnings per week, $18; number of working hours first five days, from 50 to 65; number on Saturday, 10 to 13; wages paid weekly, fortnightly, and monthly; no idle days; total number (union and non-union) employed at trade in locality, 120; no difference in wages and hours of labour of those employed at trade in locality between members and non-members of organization; cash benefits, sickness, dues paid; out of work, dues paid; hold educational classes two nights per month for benefit of members; body incorporated and registered. President, Geo. W. Dawson, 158 Younge St., Hamilton; Corresponding Secretary, C. Alex. Leckie, 74 William St., Hamilton; meets second and fourth Thursdays in month.

Name.—Hamilton Musicians' Protective Association. Organized April 9, 1902; total membership, male, 194; female, 6; has a relief committee to look after members who need assistance. President, A. J. Neilligan, 81 Picton St. E., Hamilton; Corresponding Secretary, Jos. Gimblett, 112 Caroline St. N., Hamilton; meets second Sunday (afternoon) in month.

Name.—Wood, Wire and Metal Lathers' Union, No. 145. Organized May 3, 1907; total membership, 8; average earnings per week, $9; number of working hours first five days, 40; number on Saturday, 4; wages paid weekly; average number of days idle per member during year, 150; general cause of idleness, scarcity of work during winter months; total number (union and non-union) employed at trade in locality, 16; difference in wages or hours of labour of those engaged in trade in locality between members and non-members of organization, 5c. per hour more and one hour per day less in favour of members; cash benefits, death, $100; body incorporated and registered. President, Frank Blakely, 36 Ackman Ave., Hamilton; Corresponding Secretary, Jas. Gilchrist, 100 Merrick Ave., Hamilton; meets first and third Wednesdays in month.

Name.—Order of Railway Conductors, No. 27. Organized April, 1881; total membership, 44; average earnings per week, $18; average earnings per hour, 30c.; wages paid monthly; general cause of idleness, depression in trade; no difference in wages or hours of labour between members and non-members of organization; cash benefits, from $1,000 to $3,000, according to insurance. President, James J. McMahon, 188 Gibson Ave., Hamilton; Corresponding Secretary, M. Cameron, 297 York St., Hamilton; meets first and third Sundays, at 2 p.m., in month.

Name.—Tobacco Workers' International Union, No. 48. Organized 1900; total membership, male, 100; female, 70; average earnings per week, male, $10; female, $6; average earnings per hour, male, 18c.; female, 12c.; number of working hours first five days, 50; number on Saturday, 5; wages paid weekly; average number of days idle per member during year, 40; general cause of idleness, depression in trade, stock-taking, etc.; all workers at trade in locality are organized; cash

benefits, sickness, $5 per week; death, $50; body incorporated. President, Geo. Harris, 29 Reginold St., Hamilton; Corresponding Secretary, Wm. Kerswell, 44½ Greig St., Hamilton; meets second and fourth Mondays in month.

Name.—International Printing Pressmen and Assistants' Union, No. 176. Organized Nov. 5, 1904; total membership, 50; average earnings per week, $15, $11 and $8; average earnings per hour, 31 1-4c., 22 1-2c., and 16 1-2c.; number of working hours first five days, 43 3-4, number on Saturday, 4 1-4; wages paid weekly; general cause of idleness, depression in trade; all union men in locality; cash benefits, death, $75 and $100, paid by International; body not registered or incorporated. President, W. R. Berry, 43 North Queen St., Hamilton; Corresponding Secretary, A. R. White, 299 North John St., Hamilton; meets fourth Friday in month.

Name,—Patternmakers' League of North America. Organized 1903; total members, 29; average earnings per week, $16.50; average earnings per hour, 50c.; number of working hours first five days, 50; number on Saturday, half 5 hours; half 10 hours; wages paid fortnightly; average number of days idle per member during year, 100; general cause of idleness, dulness in trade; total number (union and non-union) employed at trade in locality, 35; difference in wages or hours of labour of those engaged at trade in locality between members and non-members of organization, five to ten cents per hour less for non-members; cash benefits, sickness, $4 per week; death, graded from $50 to $400; superannuation, $12 to $16 per week. President, John Harrower, 42 St. Matthew's Ave., Hamilton; Corresponding Secretary, James Anderson, 136 Cannon St. E., Hamilton; meets first and third Thursdays in month.

Name,—Boot and Shoe Workers' International Union, No. 228. Total membership, 100; average earnings per week, $12; average earnings per hour, 20c.; number of working hours first five days, 50; number on Saturday, 5; wages paid weekly; average number of days idle per member during year, 12; general cause of idleness, stock-taking; total number (union and non-union) employed at trade in locality, male, 200; female, 100; cash benefits, sickness, $5 per week; death, $100. President, Joseph Gimblett, cor. Cannon and Caroline Sts.; Corresponding Secretary, H. A. Harrison, 43 Melbourne St., Hamilton; meets third Tuesday in month.

Name,—Boot and Shoe Workers' International Union, No. 252. Total membership, 40; average earnings per week, $11 to $13.20; average earnings per hour, 20c. to 24c.; number of working hours per week, 55; wages paid weekly; average number of days idle per member during year, 30; general cause of idleness, stock-taking and slack times; cash benefits, $5 per week from union and $3 per week from factory; death, $100 from union; body incorporated and registered. President, J. G. Lee, 147 James St. North, Hamilton; Corresponding Secretary, J. Jarvis, West Main St., between Locke and Pearl Sts., Hamilton; meets fourth Friday in month.

Name,—Boot and Shoe Workers' International Union, No. 231 (Female). Organized April 10, 1895; total membership, female, 80; average earnings per week, $7.50; average earnings per hour, 15c.; number of working hours first five days, 45; number on Saturday, 4; wages paid weekly; average number of days idle per member during year, 30; general cause of idleness, stock-taking; total number (union and non-union) employed at trade in locality, female, 105; union members employed on piecework; non-union, week work; cash benefits, sickness, $5 per week; death, $100; body incorporated. President, Lizzie Hanshaw, 73 Ackman Ave., Hamilton; Corresponding Secretary, Ethel Cope, jr., 132 Markland St., Hamilton; meets fourth Thursday in month.

Name,—Boot and Shoe Workers' International Union, No. 144. Total membership, 27; average earnings per week, $10; average earnings per hour, 18c.; number of working hours first five days, 50; number on Saturday, 5; wages paid weekly; number of days idle per member during year, 12; general cause of idleness, stock-taking; total number (union and non-union) employed at trade in locality, 27; no difference in wages or hours of labour of those engaged in trade in locality between members and non-members of organization; cash benefits, sickness, $5 per week; death, $100; not incorporated or registered. President, T. A. Best, 281 Hunter St. W.; Corresponding Secretary, Robert Hawers, 366 Bay St. North; meets first Friday in month.

Name, Amalgamated Association of Street and Electric Railway Employees, Division 107. Organized April, 1899; total membership, 126; average earnings per week, $12; average earnings per hour, 19c.; average number of working hours per week, 10 to 13 hours per day; wages paid fortnightly; average number of days idle per member during year, none for regular hands, except through sickness or leave of absence; total number (union and non-union) employed at calling in locality, about 200, including city and inter-urban lines; all work the same number of hours per week, but men on inter-urban receive 2c. per hour less than conductors and motormen on city lines; cash benefits, sickness, $2 per week for four weeks; death, $100, paid by International Union; superannuation, International about establishing an old age pension fund; local not incorporated in Canada. President, Geo. Armstrong, 308 Hughson St. N., Hamilton; Corresponding Secretary, J. T. Burrows, 81 Locke St. N., Hamilton; meets first and third Sundays in month.

Name,—Brotherhood Locomotive Engineers, Sub-Division 133. Organized 1871; total membership, 74; average earnings per week, about $20; spare men about $50 per month; average earnings per hour, about 20c.; number of working hours first five days, 50; number on Saturday, 7; wages paid monthly; average number of days idle per member during year, about 15 during past year; general cause of idleness, depression in business; no difference in wages or hours of labour between members and non-members of organization; cash benefits, death, insurance paid; superannuation, G. T. R. pays, after 65 years of age, a pension to employees; Brotherhood pays to members with no means, $25 per month. President, Warren S. Stone, 307 Society for Savings Building, Cleveland; Corresponding Secretary, A. O. Griffith, 81 Murray St. E., Hamilton; meets second and fourth Sundays in month.

Name,—International Moulders' Union, No. 26. Organized July, 1896; total membership, 412; wages paid weekly; average number of days idle per member during year, about 128; general cause of sickness, depression in trade; total number (union and non-union) employed at trade in locality, about 500; difference in wages or hours of labour of those engaged at trade in locality between members and non-members of organization, about three hours' work per week for non-union men; cash benefits, sickness, $5.40 per week for 13 weeks in any one year; death, graded scale from $100 to $200, according to length of membership; out of work benefit, 13 weeks' dues (10c. per week), in any one year; two weeks idle before receiving benefit; this rule also relates to sick benefit. President, Chris. Newman, Hamilton; Corresponding Secretary, James W. Ripley, 159 Mary St., Hamilton; meets every Wednesday in month, Moulders' Hall.

Name,—Hamilton Int'l Typographical Union, No. 129. Organized September, 1869; total membership, 110; average earnings per week, news, $16; job, $15; average earnings per hour, news, 33 1-2c.; job, 31 1-2c.; number of working hours

first five days, news, 42; job, 44; number on Saturday, news, 6; job, 4; wages paid weekly; general cause of idleness, lack of work; total number (union and non-union) employed at trade in locality, about 106; difference in wages or hours of labour of those engaged at trade in locality between members and non-members of union, $5 per week less for non-members; cash benefits, death, $75; body not incorporated or registered. President, Jas. T. Bonner, *Herald* office, Hamilton; Corresponding Secretary, John J. Burns, 115 Murray St., Hamilton; meets second Wednesday in month.

Name,—Bakery and Confectionery Workers' Int'l Union, No. 79. Total membership, 26; average earnings per week, $13.50; number of working hours first five days, 48; number on Saturday, 12; wages paid weekly; total number (union and non-union) engaged at trade in locality, 80. President, Jas. Weir, Ray St. N., Hamilton; Corresponding Secretary, John Lyle, 116 West Ave. N., Hamilton; meets 1st and 3rd Saturdays.

Name,—International Journeymen Horseshoers, No. 72. Organized March 23, 1896; total membership, 12; average earnings per week, $14.50; average earnings per hour, 26 4-11c.; number of working hours first five days, 50; number on Saturday, 5; wages paid weekly; total number (union and non-union) engaged at trade in locality, 20; difference in wages and hours between members and non-members, $3 and $4 per week, and 5 hours; no cash benefits; no special work for members; incorporated and registered. President, Wm. Allen, Caroline St. S., Hamilton; Corresponding Secretary, Albert Decker, 88 Smith Ave., Hamilton; meets 2nd and 4th Wednesdays.

Name,—International Broom and Whisk Makers' Union, No. 9. Organized May 15, 1900; total membership, 20; average earnings per week, $14; average earnings per hour, 25c.; number of working hours first five days, 45; number on Saturday, 4 1-2; wages paid weekly; average number of days idle per member during year, 15; general cause of idleness, lack of material; total number (union and non-union) employed at trade in locality, 20; no special work for members; not incorporated or registered. President, Jas. Pettfield, 75 East Hunter St., Hamilton; Corresponding Secretary, W. H. McAdam, 148 North Bay St., Hamilton; meets 2nd Monday.

Ingersoll.

Name,—International Brotherhood of Maintenance of Ways Employees, No. 503. Organized November, 1907; total membership, 20; average earnings per week, firemen, $13; labourers, $9.30; average earnings per hour, firemen, 21½c.; labourers, 15½c.; number of working hours first five days, 50; number on Saturday, 10; wages paid monthly; average number of days idle per member during year, 10; general cause of idleness, holidays and reduction of forces; total number (union and non-union) employed at calling in locality, 25; no difference in wages and hours of labour of those employed at calling in locality between members and non-members of organization; cash benefits, death, $250 to $1,000; out of work benefit, none, except when strike occurs; insurance optional. President, J. D. Young, Ingersoll; Corresponding Secretary, D. McCord, Belmont; no regular meeting night.

Name,—United Brotherhood of Carpenters and Joiners. Organized Aug. 14, 1906; total membership, 10; average earnings per week, $15; average earnings per hour, 25c.; number of working hours first five days, 50; number on Saturday, 9; wages paid weekly; average number of days idle per member during year, 15; general cause of idleness, lack of employment; total number (union and non-union)

employed in trade in locality, about 10; difference in wages or hours of labour of those employed in locality at trade between members and non-members of organization, large number of non-members work for about $2 per day and less, while several members receive $3 on account of superior workmanship; cash benefits, death, U. B. claim; body incorporated and registered. President, A. Reader, Ingersoll; Corresponding Secretary, G. H. Lampford, Ingersoll; meets 3rd Tuesday in month.

Jack Fish.

Name.—International Brotherhood of Maintenance of Ways Employees. Organized 1892; total membership, 75; average earnings per week, $10.20; average earnings per hour, 17c.; number of working hours first five days, 50; number on Saturday, 10; wages paid monthly; total number (union and non-union) employed at calling in locality, 150; difference in wages or hours of labour of those engaged in calling in locality between members and non-members of organization, from 15c. to 15c. per week; body incorporated and registered. President, J. Lenville, Heron Bay; Corresponding Secretary, A. Bianconi, Jack Fish; meets last Saturday in month.

Kenora.

Name.—International Brotherhood of Maintenance of Ways Employees. Organized April 7, 1900; total membership, 200; average earnings per week, $15; average earnings per hour, 25c.; number of working hours first five days, 50; number on Saturday, 10; wages paid monthly; no idle days during year; total number (union and non-union) employed at calling in locality, 1,000 in summer, 200 regular in winter; difference in wages and hours of labour of those engaged in calling in locality between members and non-members or organization, non-members receive 20c. per hour. President, John W. Wilson, Box 143, Kenora; Corresponding Secretary, Alex. J. Selwyn, Box 196, Kenora; meets 2nd Sunday in each month; special at Whitemouth, Man., 4th Sunday in March, June, Sept., and Dec.

Kingston.

Name.—Builders' Labourers' International Union, No. 66. Organized 1903; total membership, 90; average earnings per week, $12; wages paid fortnightly; total number (union and non-union) employed at calling in locality, 100; difference in wages and hours of labour of those engaged at calling in locality between members and non-members of organization, non-union men work nine hours per day, at 15c. to 18c. per hour; cash benefits, death, $100. President, Charles Andre, Patrick St., Kingston; Corresponding Secretary, John Goodridge, 492 Princess St., Kingston; meets 1st and 3rd Wednesdays in month.

Name.—International Marine Firemen, Oilers and Watertenders (Longshoremen's) Association, No. 564. Organized Jan. 1, 1904; total membership, 80; wages paid monthly; average number of days idle per member during year, about four months, on account of boats tied up for winter; difference in wages and hours of labour of those engaged in calling in locality between members and non-members of organization, $5 per month in favour of members; have reading room in connection with hall. President, Frank Gallagher, 229 Wellington St., Kingston; Corresponding Secretary, Geo. W. Jenkins, Box 13, or 131 Montreal St., Kingston; meets every Friday evening during winter.

Name.—Lake Seamen's Union. Organized July 10, 1905; total membership, 350; average earnings per week, $14.50; wages paid monthly, or at end of trip; average number of days idle per member during year, 120; general cause of idleness, close of navigation; total number (union and non-union) employed at calling in locality between members and non-members of organization, $5 to $7 per month in some lines; cash benefits, sickness, small weekly allowance; death, $75; disability benefits, $300; have reading room for members. Chairmen elected at each meeting; Corresponding Secretary, Thos. H. Fleming, Business Agent, Box 96, Kingston; meets every Monday night.

Name,—United Brotherhood Carpenters and Joiners, No. 249. Organized 1889; total membership, 75; average earnings per week, $15; average earnings per hour, 31½c.; number of working hours first five days, 40; number on Saturday, 8; wages paid fortnightly; average number of days idle per member during year, 30; general cause of illeness, inclement weather; total number (union and non-union) employed at trade in locality, 80; difference in wages or hours of labour of those engaged at trade in locality between members and non-members of organization, non-members demand union wages but work nine hours per day; cash benefits, $6 per week for 13 weeks; death, $200 to $400. President, Robert Burk, Johnston St., Kingston; Corresponding Secretary, W. H. Hubble, 26 Quebec St., Kingston; meets 1st and 3rd Mondays in month, at 8 p.m.

Name.—Journeymen Tailors' Union of America, No. 263. Organized 1901; total membership, male, 22; female, 40; average earnings per week, male, $9; female, $3.50; number of working hours first five days, 45; number on Saturday, 9; wages paid weekly and fortnightly; average number of days idle per member during year, 90; cause of general idleness, labour market overstocked; total number (union and non-union) employed at trade in locality, male, 30; female, about 55; cash benefits, sickness, $5 per week; death, from $25 to $100. President, Robert Alexander, 451 Albert St., Kingston; Corresponding Secretary, Joseph Sauve, 161 Queen St., Kingston; meets 1st and 3rd Mondays in each month.

Name,—International Longshoremen's Union, No. 229. Organized March 29th, 1901; total membership, 40; average earnings per week, $9; average earnings per hour, 15c. and 20c.; number of working hours, first five days, 50; number on Saturday, 10; wages paid weekly; general cause of idleness, close of navigation in winter months; total number (union and non-union) employed at calling in locality, 80; difference in wages and hours of labour of those engaged in locality at calling between members and non-members of organization, union men receive the scale and non-union men receive 10c. per hour; have a reading room. President, J. A. O'Neil, 276 Sydenham St., Kingston; Corresponding Secretary, Wm. Mullan, 42 Ordinance St., Kingston; meets 2nd and 4th Wednesdays in month.

Name,—International Brotherhood of Painters, Decorators and Paperhangers, No. 114. Organized May 24, 1900; total membership, 40; average earnings per week, $9; average earnings per hour, 22½c.; number of working hours first five days, 45; number on Saturday, 9; wages paid weekly; average number of days idle per member during year, 90; general cause of illeness, trade slack; total number (union and non-union) employed at trade in locality, 55; difference in wages or hours of labour of those engaged at calling in locality between members and non-members of organization, union men work only nine hours per day, non-union men work any number of hours per day; cash benefits, death, $200 to $400; have reading room and amusements in evening. President, Wm. T. Veale, Nelson St. N., Kings-

ton; Corresponding Secretary, George B. Coward, 386 Albert St., Kingston; meets 1st and 3rd Mondays in month.

Name,—Amalgamated Society of Engineers, No. 659. Organized 1859; total membership, 25; average earnings per week, $11.25; average earnings per hour, 22½c.; number of working hours first five days, 50; number on Saturday, 5; wages paid fortnightly; average number of days idle per member during year, 6; general cause of idleness, holidays and breakdowns; total number (union and non-union) employed at trade in locality, about 300; no difference in wages or hours of labour of those engaged at trade in locality between members and non-members of organization; cash benefits, lack of work, $2.50 per week; sickness, $2.50 per week; death, $60; superannuation, $2.50 per week; have evening entertainments; registered in England. President, Henry Stewart, 391 Barrie St., Kingston; Corresponding Secretary, John Lovick, 152 Gordon St., Kingston; meets alternate Wednesdays in month.

Name,—Bricklayers', Masons' and Plasterers' Union, No. 10, Ontario. Organized April 17, 1899; total membership, 53; average earnings per week, $24; average earnings per hour, 45c.; number of working hours first five days, 40; number on Saturday, 8; wages paid fortnightly; average number of days idle per member during year, 150; general cause of idleness, inclement weather and slackness in building trade; total number (union and non-union) employed at trade in locality, 60; no difference in wages or hours of labour of those engaged at trade in locality between members and non-members of organization; have reading room in connection with meeting hall. President, Thomas Clugston, Brock St., Kingston; Corresponding Secretary, W. H. Townsend, 281 Victoria St., Kingston; meets 2nd and 4th Tuesdays in month.

Name,—Journeymen Barbers' International Union, No. 514. Organized April 17, 1908; total membership, 20; average earnings per week, $12; number of working hours first five days, 50; number on Saturday, 14; wages paid weekly; total number (union and non-union) employed at calling in locality, 35; difference in wages and hours of labour of those engaged at calling in locality between members and non-members of organization, union men receive $12 per week, non-union, $10; cash benefits, sickness, $5 per week; death, $60 to $500. President, Geo. Lewis, 346 Princess St., Kingston; Corresponding Secretary, W. J. Lemmon, 377 King St., Kingston; meets last ———— in month.

Name,—Amalgamated Sheet Metal Workers' International League, No. 117. Organized August, 1900; total membership, 16; average earnings per week, $13.50; average earnings per hour, 25c.; number of working hours first five days, 45; number on Saturday, 9; wages paid weekly; general cause of idleness, not much work during winter season, and not sufficient inside work to keep all men engaged; total number (union and non-union) employed at trade in locality, 18; difference in wages and hours of labour of those engaged at trade in locality between members and non-members, some wholesale firm men on tinware receive $1.75 per day of 10 hours; cash benefits, death, $100. President, Edward Allen, 11 Deacon St., Kingston; Corresponding Secretary, W. G. Hamilton, 302 Collingwood St., Kingston; meets 2nd and 4th Thursdays in month.

Name,—National Association of Marine Engineers, No. 4. Organized Jan., 1901; total membership, 100; average earnings per week, $50; average earnings per hour, 31c.; number of working hours first five days, 45; number on Saturday, 9; average number of days idle per member during year, 120; general cause of idleness, close of navigation; no cash benefits; have special work for members, such as

lectures by professors from Queen's College; body not incorporated or registered. President, J. W. Hazlett, Royal Military College, Kingston; Corresponding Secretary, James Gillies, 97 Clergy St. West, Kingston; meets Monday evenings.

Name,—International Typographical Union, No. 294. Reorganized November 1st, 1908; total membership, 22; average earnings per week, $12.50; average earnings per hour, 20c.; number of working hours first five days, 10; number on Saturday, 8; wages paid weekly; average number of days idle per member during year, 2; total number (union and non-union) employed at trade in locality, male, 26; female, 1; cash benefits, death, $100. President, Jas. C. Bennett, Tice Jackson Press, Kingston; Corresponding Secretary, S. A. Salsbury, Barriefield P. O.; meets 1st Tuesday in month.

Lindsay.

Name,—Locomotive Engineers (Hope Sub-Division) No. 174. Organized 1882; total membership, 51; average earnings per week, $25; wages paid monthly; no difference in wages or hours of labour at calling in locality between members and non-members of organization; cash benefits, insurance; superannuation, $25 per month; body incorporated. President, Geo. Murray, Lindsay; Corresponding Secretary, T. Wilkinson, Box 205, Lindsay; meets 2nd and 4th Sundays in month, at 2.30 p.m.

London.

Name,—American Federation of Musicians, No. 279. Organized Feb. 2, 1902; total membership, male, 135; female, 5. President, A. W. Slatter, 732 Dundas St., London; Corresponding Secretary, E. W. Perrin, 252 Adelaide St., London; meets 4th Sunday in month.

Name,—United Brotherhood of Carpenters and Joiners of America, No. 1946; Organized Nov. 13, 1907; total membership, 40; average earnings per week, $13.86; average earnings per hour, 28c.; number of working hours first five days, 15; number on Saturday, 4½; wages paid weekly; average number of idle days per member during year, 35 or 40; general cause of idleness, inclement weather; total number (union and non-union) employed at trade in locality, 450; difference in wages and hours of labour of those engaged at trade in locality between members and non-members of organization, non-union men work 11 hours per day for any money they can procure; cash benefits, death, $200; wife's funeral benefit, $50. President, Al. Irwin, 139 Bathurst St., London; Corresponding Secretary, C. H. Elfinger, 12 Atkin St., London; meets 2nd and 4th Wednesdays in month.

Name,—Bricklayers' and Masons' International Union, No. 5. Organized January, 1863; reorganized January, 1882; total membership, 68; average earnings per week, $14; average earnings per hour, 45c.; number working hours first five days, 40; number on Saturday, 4; wages paid weekly; average number of days idle per member during year, 100; general cause of idleness, bad weather and dull times; total number (union and non-union) employed at trade in locality, 100; difference in wages and hours of labour of those engaged at trade in locality between members and non-members of organization, non-members work 9 and 10 hours per day and receive from 30c. to 40c. per hour; cash benefits, death $50; have club room open daily during winter for use of members. President, W. Coulman, Sr., 146 Fullerton St., London; Corresponding Secretary, S. H. Foxworthy, 391 Oxford St., London; meets 2nd and 4th Wednesdays in month.

Name.—Brotherhood Railroad Trimmers (London Lodge), No. 415. Organized July 13, 1891; total membership, 123; average earnings per week, $18 to $28; average earnings per hour, 20 7-10c. to 35c.; number of working hours per week, depends on conditions and traffic; wages paid monthly; average number of days idle per member during year, 15 to 20; total number (union and non-union) employed at calling in locality, about 125 regular; no difference in wages or hours of labour of those engaged in locality between members and non-members of organization. President, Peter Kelliher, 51 Palace St., London; Corresponding Secretary, W. H. Nichol, 896 Princess St., London; meets semi-monthly at call of President.

Name.—International Brotherhood of Maintenance of Ways Employees, No. 195. Organized 1901; total membership 75; average earnings per week, $12; average earnings per hour, 16c. and 20c.; number of working hours first five days, 50; number on Saturday, 10; wages paid monthly; general cause of idleness, reduction of staff during winter months; total number (union and non-union) employed at calling in locality, 120; no difference in wages or hours of labour of those engaged at calling in locality between members and non-members of organization; no cash benefits; body incorporated. President, Wm. Stevenson, 12 Alfred St., London; Corresponding Secretary, D. Campbell, 10 Thornton Ave., London; meets last Saturday in month.

Name.—International Brotherhood of Electrical Workers, No. 120. Organized Feb. 23, 1907; total membership, 10; average earnings per week, $12; average earnings per hour, 20c.; number of working hours first five days, 50; number on Saturday, 10; wages paid fortnightly; average number of days idle per member during year, 12; general cause of idleness, dull times during winter; total number (union and non-union) employed at trade in locality, about 150; no difference in wages or hours of labour of those engaged at trade in locality between members and non-members of organization; cash benefits, death, $100, and out of work benefits are paid. President, J. J. Read, Springfield, Ill.; Corresponding Secretary, C. Walford, 22 Walnut St., London; meets 2nd Tuesday in month.

Name.—Amalgamated Society of Engineers, No. 648. Organized 1874; Total membership, 21; average earnings per week, $13.50; average earnings per hour, 22½c.; number of working hours first five days, 40 to 50; number on Saturday, 5 to 9; wages paid weekly and monthly; general cause of idleness, depression in trade; total number (union and non-union) employed at trade in locality, 200; no difference in wages or hours of labour of those engaged at trade in locality between members and non-members of organization; cash benefits, sickness, $2.50 per week; death, $60; superannuation, $1.75 to $2.50 per week; out of work, $2.50 per week; body registered in England. President, Alex. McDonald, 867 Waterloo St., London; Corresponding Secretary, Geo. H. Scollick, 583 Grey St., London; meets alternate Fridays in month.

Name.—Order Railroad Telegraphers, G. T. R. System, Div. No. 1. Organized 1898; average earnings per week, male, $12.50, on special salary; female, $12.50 per week, on special salary; average earnings per hour, male, 15c. on regular salary; female, 15c. on regular salary; number of working hours first five days, 60; number on Saturday, 12; wages paid monthly; no idle days; no difference in wages or hours of labour between members and non-members of organization; cash benefits, death, insurance when insured. President, J. A. Bell, Callander; Corresponding Secretary, D. L. Shaw, 769 King St., London; meets subject to call of President.

Name.—Amalgamated Society of Carpenters and Joiners, No. 18; organized June, 1886; average earnings per week, $[illegible]; average earnings per hour, 35c.; number of working hours first five days, 45; number on Saturday, [illegible]; wages paid weekly; average number of days idle per member during year, 50 to 100; general cause of idleness, bad weather, depression in trade and surplus of unemployed; total number (union and non-union) employed at trade in locality, probably 300 to 400; no difference in wages or hours of labour of those engaged at trade in locality between members and non-members of organization; cash benefits, lack of employment, $2.50 per week; sickness, $3 per week; death, $60; superannuation, $2 per week; out of work, benefit, $2.50 per week; not incorporated or registered. President, F. J. Burt, 715 Central Ave., London; Corresponding Secretary, John Tanton, 379 Waterloo St., London; meets alternate Wednesdays.

Name.—Federal Labour Union (mixed occupations), No. 5. Organized 1903; working days vary, generally half holiday on Saturday; wages paid weekly; unorganized workers do not average as high wages as members; body not incorporated or registered. President, W. Cole, 160 Catherine [illegible], London; Corresponding Secretary, J. T. Marks, 425 Grey St., London; meets 4th Friday in month.

Name.—Brotherhood Locomotive Firemen and Enginemen (Forest Lodge), No. 117. Organized 1873; total membership, 52; average earnings per week, paid on mileage, and monthly basis; general cause of idleness, shortage of freight; total number (union and non-union) employed at calling in locality, about 65; no difference in wages or hours of labour of those engaged at calling in locality between members and non-members of organization; cash benefits, $500 to $3,000; evening classes occasionally for members; body incorporated and registered. President, D. J. Henderson, 611 Richmond St., London; Corresponding Secretary, C. E. Smith, 375 Glebe St., London; meets 1st Wednesday at 8 p.m., and 3rd Sunday at 2.30 p.m., in month.

Name.—United Association of Plumbers, Steam and Gasfitters, No. 289. Organized January, 1907; total membership, 19; average earnings per week, $15.40; average earnings per hour, 35c.; number of working hours first five days, 40; number on Saturday, 4; wages paid weekly; total number (union and non-union) employed at trade in locality, 25; difference in wages and hours of labour of those engaged at trade in locality between members and non-members of organization, union men receive a minimum wage of 35c. per hour, non-union men from 15c. to 30c. per hour; cash benefits, sickness, $5 per week; death, $100; have club room for members during winter months. President, Thos. J. Crook, 530 Egerton St., London; Corresponding Secretary, G. F. Avey, 189 Waterloo St., London; meets 1st and 3rd Tuesdays in month.

Name.—Metal Polishers', Buffers' and Platers', Brass Moulders' and Brass and Silver Workers' Union, No. 52. Total membership, 35; average earnings per week, $16.50; average earnings per hour, 30c.; number of working hours first five days, 50; number on Saturday, 5; wages paid weekly and fortnightly; cash benefits, death, $100. President, Geo. Powell, London Junction P. O., London; Corresponding Secretary, Wm. J. Patrick, 905 Dufferin Avenue, London; meets 2nd and 4th Fridays in month.

Name.—Journeymen Stonecutters' Association of N. A. Organized Dec. 5, 1853; total membership, 9; average earnings per week, $19.80; average earnings per hour, 45c.; number of working hours first five days, 40; number on Saturday, 4; wages paid weekly; average number of days idle per member during year, 99; general cause of idleness, bad weather; all union men in locality; cash benefits,

death, $100; body incorporated. President, Jabez Mason, London; Corresponding Secretary, Hugh Boyd, 875 Adelaide St., London; meets 1st and 3rd Fridays in month.

Name,—Federated Association of Letter Carriers. Organized November, 1891; total membership, 34; average about 54½ hours per week; wages paid fortnightly; general cause of idleness, sickness; all are members of association; no difference in wages or hours of labour in locality; cash benefits, death, $100. President, Pence Flaherty, P. O., London; Corresponding Secretary, W. M. Empey, P. O., London; meets 1st Tuesday in month.

Name,—Bartenders' International League, No. 137. Organized 1902; total membership, 52; average earnings per week, $12; number of working hours per week, from 42 to 60; wages paid weekly; non-union men receive 25 per cent. less wages than members; cash benefits, sickness, $5 per week; death, $50. President, Geo. Parker, Tecumseh House, London; Corresponding Secretary, H. D. Edsall, 58 Colborne St., London; meets 2nd and 4th Sundays in month.

Name,—Cigarmakers' International Union, No. 278. Organized January, 1897; total membership, 264; number of working hours first five days, 40; number on Saturday, 4; wages paid weekly; total number (union and non-union) employed at trade in locality, male, 241 union; female, 23 union; cash benefits, lack of employment, $3 per week; sickness, $5 per week for 13 weeks; death, $50 to $550; out of work, $3 per week to the amount of $56 per year; from June 1st to Sept. 15th, no out of work benefit is paid; body is incorporated. President, Joseph Kelly, 146 Ann St., London; Corresponding Secretary, W. Heaslip, 93 Albion St., London; meets 1st and 3rd Fridays in month.

Name,—Amalgamated Sheet Metal Workers, No. 206. Organized May 7, 1903; total membership, 25; average earnings per week, $10 to $15; average earnings per hour, 20c.; number of working hours, first five days, 50; number on Saturday 5, during May, June, July and August; wages paid weekly; death benefits, $100. President, Wm. Hodgins, 373 Queen's Ave., London; Corresponding Secretary, F. L. Ritter, 4 York St., London; meets 3rd Friday in month.

Name,—International Printing Pressmen's and Assistants' Union, No. 173. Organized October, 1907; total membership, 37; average earnings per week, pressmen, $12; assistants, $8; number of working hours first five days, 47½; number on Saturday, 4½; wages paid weekly; average number of days idle per member during year, public holidays; total number (union and non-union) employed at trade in locality, male, 52; female, 20; cash benefits, death, $100. President, Geo. Flory, Grosvenor St., London; Corresponding Secretary, A. G. Watson, 467 Simcoe St., London; meets 1st Saturday in month.

Name,—International Builders' Labourers' Union, No. 268. Organized May 1908; total membership, 27; average earnings per week, $11; average earnings per hour, 25c.; wages paid weekly; general cause of idleness, bad weather and lack of material; union men receive 5c. per hour more than non-union men. President, Wm. Burleigh, 206 Adelaide St., London; Corresponding Secretary, Isaac Sculthorpe, 32 Napier, West London; meets 3rd Monday.

Name,—International Moulders' Union, No. 37. Organized 1857; total membership, 68; average earnings per hour, 23½c.; number of working hours first five days when on full time, 50; part time of 6, 8 and 9 hours; number on Saturday, from 5 to 9 hours; wages paid weekly; general cause of idleness, overproduction and surplus immigration; total number (union and non-union) employed at trade in locality, 220; cash benefits, sickness, $5.40 per week; death, $150 to $250; out

of work benefit, non-payment of dues; total disability, from $100 to $200, according to length of membership. President, Edward W. Moore, London; Corresponding Secretary, F. C. Darden, 180 Hamilton Road, London; meets 1st and 3rd Tuesdays in month.

Name,—International Typographical Union, No. 133. Organized November, 1869; total membership, 56; average earnings per week, $14.50; average earnings per hour, about 30c.; number of working hours first five days, 40 for news hands, 45 for job hands; number on Saturday, 7 for news hands, 5 for job hands; wages paid weekly; total number (union and non-union) employed at trade in locality, male, 120; female, 8 or 10; difference in hours of labour and wages of those engaged at trade in locality between members and non-members of organization, $2.50 to $3 per week in favor of union men, and about 6 hours per week also; cash benefits, sickness, $5 per week; death, $75; superannuation, $4 per week. President, James Drennan, 93 Maitland St., London; Corresponding Secretary, W. O. Ruse, 14 Walnut St. W., London; meets 1st Saturday in month.

Name,—International Alliance Theatrical Stage Employes, No. 105. Organized July, 1903; total membership, 23; number of working hours per week, depends upon the number of performances; work starts in September and ends in May; wages paid weekly; all are members of union in locality. President, Samuel Loughrey, 37 Beecher St., London; Corresponding Secretary, H. A. Holden, 347 Horton St., London; meets 1st and 3rd Sundays in month.

Name,—Brotherhood Locomotive Firemen and Engineers (Ontario Lodge), No. 948. Organized Aug. 29, 1891; total membership, 35; number of working hours per week, various; wages paid monthly; general cause of idleness, depression in business and sickness; total number (union and non-union) employed at calling in locality, 45; no difference in wages or hours of labour of those engaged at trade in locality between members and non-members of organization; cash benefits, [illegible] insurance; total amount of insurance ($500 to $2,000), paid in case of death or loss of eye, hand or foot; body registered. President, Jas. J. Davis, 521 Pall Mall St., London; Corresponding Secretary, Charles [illegible], London; meets 2nd and 4th Sundays in month, at 2 p.m.

Name,—Journeymen Barbers' International Union, No. 366. Total membership, 40; average earnings per week, $12; number of working hours first five days, 45; number on Saturday, 10; wages paid weekly; total number (union and non-union) employed in locality at trade, 60; difference in wages or hours of labour of those engaged at trade in locality between members and non-members of organization, 4 hours per week less time in favour of members; cash benefits, sickness, $5 per week; death, $60 to $500. President, John J. White, 2 Masonic Temple, Richmond St., London; Corresponding Secretary, J. E. Locker, 713 Richmond St., London; meets 4th Monday in month.

Mimico.

Name,—Brotherhood Locomotive Firemen and Engineers, No. 756. Organized August, 1909; total membership, 21; average earnings per week, $20; average earnings per hour, 25c.; number of working hours first five days, 60; number on Saturday, 12; wages paid monthly; general cause of idleness, slackness in traffic; total number (union and non-union) employed at calling in locality, 35; no difference in wages or hours of labour of those engaged in locality between members and non-members of organization; cash benefits, sickness, 50c. per day; death,

$250; body registered. President, Thomas Hueston, 71 Sullivan St., Toronto; Corresponding Secretary, F. J. Hughes, Mimico P. O.; meets 1st and 3rd Tuesdays in month, at 7.30 p.m., in Mimico Parish Hall.

NIAGARA FALLS.

Name.—Bricklayers' and Masons' International Union, No. 27. Organized 1904; total membership, 30; average earnings per week, $24; average earnings per hour, 50c.; number of working hour first five days, 40; number on Saturday, 8; wages paid weekly; average number of days idle per member during year, about half the year not busy; general cause of idleness, no work; total number (union and non-union) employed at trade in locality, 45; cash benefits, death, $100. President, Wm. Chown, Niagara Falls, Ont.; Corresponding Secretary, Fred Hague, Box 56, Niagara Falls Centre; meets 1st and 3rd Thursdays.

Name.—Railroad Telegraphers (Michigan Central System), Division No. 16. Organized Dec. 14, 1894; total membership, male, 408; female, 3; average wages per week, male, $14; female, $14; average earnings per hour, male, 15c.; female, 15c.; number of working hours first five days, 55; number on Saturday, 11, and 11 hours on Sunday; wages paid monthly; average number of days idle per member during year, 14; general cause of idleness, taking holidays and a few spare men waiting jobs; total number (union and non-union) employed at calling in locality, male, 8; female, 0; no difference in wages or hours of labour of those engaged at calling in locality between members and non-members of organization; cash benefits, sickness, voluntary assistance. President, J. C. Crelkins, Albion, Mich.; Corresponding Secretary, J. H. Staley, Falls View (Niagara); meets third Monday in month, at Detroit, Mich.

Name.—Journeymen Stonecutters' Union of N. A. (Niagara Falls Branch). Organized June 3, 1903; total membership, 40; average earnings per week, $24; average earnings per hour, 50c.; number of working hours first five days, 40; number on Saturday, 8; wages paid fortnightly; average number of days idle per member during year, 60; general cause of idleness, business depression; total number (union and non-union) employed at trade in locality, 25—all are members of union; cash benefits, death, $100; out of work benefit, in case of strike, $6 per week after first week. President, Ed. Garnell, Niagara Falls; Corresponding Secretary, Chas. W. Anderson, 44 Benson St., Niagara Falls; meets second and fourth Wednesdays in month.

Name.—Amalgamated Society of Carpenters and Joiners. Total membership, 10; average earnings per week, $18.90; average earnings per hour, 35c.; number of working hours first five days, 45; number on Saturday, 9; wages paid weekly; average number of days idle per member during year, 25; general cause of idleness, bad weather and slackness of trade; total number (union and non-union) employed at trade in locality, 200; difference in wages and hours of labour of those employed at trade in locality between members and non-members of organization, 5c. to 10c. per hour in favour of union men; cash benefits, sickness, $3 per week; death, $100; superannuation, $2 per week; out of work benefit, $2.50 per week; body incorporated and registered. President, William Bromhall, Niagara Falls South; Corresponding Secretary, John Grassie, Niagara Falls Centre; meets alternate Fridays in month.

North Bay.

Name.—Brotherhood Railway Carmen of America (New Ontario Lodge), No. 192. Total membership, 75; average earnings per week, $12; average earnings per hour, 19c. to 20c.; number of working hours first five days, 50; number on Saturday, 10; wages paid monthly; average number of days idle per member during year, 60; general cause of idleness, on strike; total number (union and non-union) employed at calling in locality, 30 to 35; no difference in wages or hours of labour of those engaged at calling in locality between members and non-members of organization; cash benefits, sickness and death, covered by sick and funeral benefits if members desire to carry insurance policy; body incorporated and registered. Chief Carman, E. Guy, North Bay; Corresponding Secretaries, H. G. Wright, Box 487, North Bay; W. C. Shepherd, Box 1274, North Bay; meets 2nd and 4th Fridays in month.

Name.—Brotherhood Railway Conductors (Nipissing Division), No. 242. Organized March 13, 1887; total membership, 55; average earnings per week, $30; wages paid monthly; total number (union and non-union) employed at calling in locality, 75; no difference in wages or hours of labour of those engaged at calling in locality between members and non-members of organization; cash benefits, death, from $1,000 to $3,000. Presidents, Jos. Falby, North Bay; Corresponding Secretary, W. Ambdey, North Bay; meets 2nd and 4th Monday in month at 2 p.m.

Name.—International Brotherhood of Maintenance of Ways Employees, No. 244. Total membership, 121; average earnings per week, $10.80; average earnings per hour, 18c.; number of working hours first five days, 50; number on Saturday, 10; wages paid monthly; total number (union and non-union) employed at calling in locality, 300; difference in wages and hours of labour of those engaged at calling in locality between members and non-members of organization, non-union men receive $1.25 to $1.45 per day; union men $1.60 to $2.20 per day; cash benefits, death, insurance; body incorporated and registered. President, A. B. Lowe, St. Louis, Mo.; Corresponding Secretary, C. Wilson, Mattawa, Ont.; meets last Saturday in quarter.

Oil City.

Name.—International Brotherhood of Maintenance of Ways Employees. Total membership, 13; average earnings per week, $8.10; number of working hours first five days, 50; number on Saturday, 10; wages paid monthly; average number of days idle per member during year, 4; general cause of idleness, holidays; total number (union and non-union) employed at calling in locality, 23; no difference in wages or hours of labour of those engaged at calling in locality between members and non-members of organization; body registered. President, W. H. May, Oil City, Ont.; Corresponding Secretary, Bert McElwain, Oil City, Ont.

Oshawa.

Name.—International Iron Moulders' Union, No. 136. Organized July, 1862; total membership, 23; average earnings per week, $9; average earnings per hour, 25c.; number of working hours first five days, 50; number on Saturday, 9; wages paid weekly and fortnightly; cash benefits, sickness, $5.40 per week for 13 weeks; death, $130 and up; out of work benefits, fee stamps (dues) for

13 weeks; body registered. President, Thos. Knox, Oshawa P.O.; Corresponding Secretary, R. H. Rogan, Box 144, Oshawa; meets 3rd Thursday in month.

Name.—Pattern Makers' League of N. A. Organized March 23rd, 1908; total membership, 9; average earnings per week, day, $2.25; average earnings per hour 22½c.; number of working hours first five days, 50; number on Saturday, 9; wages paid weekly; average number of days idle per member during year, 70 or 80; general cause of idleness, public holidays and vacations; total number (union and non-union) employed at trade in locality, 25; difference in wages and hours of labour of those engaged at trade in locality between members and non-members of organization, members receive from 20c. to 25c. per hour; non-members run from 12½c to 20c. per hour; cash benefits, lack of employment, $7 per week; sickness, $5 per week; death, $50 to $400; superannuation, $12 to $16 per month; out of work benefit, refund of dues. President, Norman Stewart, South Oshawa; Corresponding Secretary, Percy Arnold, South Oshawa; meets 1st and 3rd Thursdays in month, in Phœnix Hall.

Ottawa.

Name.—Brotherhood of Railroad Trainmen (Ottawa River Lodge), No. 188. Organized April 7th, 1895; total membership, 125; average earnings per week, paid on mileage basis; conductors, $2.55 per 100 miles; brakemen, $1.80 per 100 miles; 10 hours or 100 miles constitutes one day; wages paid monthly; average number of days idle per member during year, one-third membership idle about six months; general cause of idleness, winter traffic very light; total number (union and non-union) employed at calling in locality, 200; no difference in wages or hours of labour of those engaged at calling in locality between members and non-members of organization; cash benefits, death, $500, $1,000 and $1,350, insurance; body incorporated and registered. Master, John Maloney, 138 Nicholas St., Ottawa.

Name.—International Alliance of Amalgamated Sheet Metal Workers, No. 17. Organized December 5th, 1903; total membership, 58; average earnings per week, $13 to $15; average earnings per hour, 25c. to 30c.; number of working hours first five days, 45; number on Saturday, 5 in summer and 8 in winter; wages paid weekly and fortnightly; number of days idle per member during year, from 90 to 120; general cause of idleness, slack times; total number (union and non-union) employed at trade in locality, 100; no difference in wages and hours of labour of those engaged at trade in locality between members and non-members of organization; cash benefits, death, $100. President, David Irvine, 104 Third Avenue, Glebe, Ottawa; Corresponding Secretary, J. B. Saive, 675 Cooper St., Ottawa; meets 1st and 3rd Wednesdays in month.

Name.—International Moulders' Union, No. 280. Organized October 8, 1891; total membership, 32; average earnings per week, $15.60; average earnings per hour, 26c.; number of working hours first five days, 50; number on Saturday, 9; wages paid fortnightly; average number of days idle per member during year, all depends on trade conditions; total number (union and non-union) employed at trade in locality, 45; no difference in wages or hours of labour of those engaged at trade in locality between members and non-members of organization; cash benefits, sickness, $5.40 per week; death, $100 to $150; out of work benefits, dues exempt. President, Geo. Brackenbury, Lloyd St., Ottawa; Corresponding Secretary, J. Edgar Bedard, 160 Alma St., Hull, Que.; meets 2nd and 4th Fridays in month.

Name,—National Hotel and Restaurant Employees' Association of Canada, No. 1. Organized 1904; total membership, male, 75; female, 100; wages paid monthly; total number (union and non-union) employed at calling in locality, male, 150; female, 300; body incorporated and registered. President, Henry Govette, Nicholas St., Ottawa; Corresponding Secretary, Henry Curling, 32 Raymond St., Ottawa; meets Wednesday.

Name,—International Typographical Union, No. 102. Organized 1867; total membership, male, 160; female, 7; average earnings per week, male, $15; female, $15; number of working hours first five days, 43; number on Saturday, 5; wages paid weekly aand fortnightly; average number of days idle per member during year, very few; general cause of [illegible] temporary sickness; total number (union and non-union) employed at trade in locality, male, 310; female, 12; no difference in wages or hours of labour of those engaged at trade in locality between members and non-members of organization; cash benefits, sickness, $5 per week; death, $75; superannuation, $4 per week; body registered. President, Michael Powell, 283 Kent St., Ottawa; Corresponding Secretary, Wm. C. Mitzger, Box 491, Ottawa; meets 1st Saturday in month.

Name,—Commercial Union, No. 1 (Clerks). Organized October 10, 1890; total membership, 100; average earnings per week, $10; number of working hours first five days, 45; number on Saturday, 11; wages paid weekly; total number (union and non-union) employed at calling in locality, male, 400; female, 300. President, W. A. Brown, Ottawa; Corresponding Secretary, A. Leclerc, 277 Clarence St., Ottawa; meets 2nd Monday in month.

Name,—Order of Railroad Conductors (Rudolph Div. No. 29). Organized 1881; total membership, 92; average earnings per week, $25; wages paid monthly; total number (union and non-union) employed at calling in locality, 125; no difference in wages or hours of labour of those engaged at calling in locality between members and non-members of organization; cash benefits, death, $1,000, $2,000 and $3,000, insurance. President, D. V. Brown, 31 Florence St., Ottawa; Corresponding Secretary, J. B. Morris, 305 Bronson Ave., Ottawa; meets 2nd and 4th Sundays in month at 2 p.m.

Name,—International Alliance of Theatrical Stage Employees, No. 95. Total membership, 48; wages paid weekly; all union men in locality; body incorporated and registered. President, J. Thibault, Grand Opera House, Ottawa; Corresponding Secretary, H. G. Haig, 358 Albert St., Ottawa; meets 2nd Sunday in month.

Name,—Order of Railroad Telegraphers, No. 15. Organized March 3rd, 1897; total membership, male, 70; female, 1; average earnings per week; male, $12; female, $12; average earnings per hour, male, 17c.; female, 17c.; number of working hours first five days, 60; number on Saturday, 12; wages paid monthly; no idle days during year; total number (union and non-union) employed at calling in locality, male, 70; female, 1; no difference in wages or hours of labour of those engaged in locality between members and non-members of organization; cash benefits, death, $300, $500, and $1,000; body incorporated. President, G. W. Shepherd, Alexandria; Corresponding Secretary, D. Robertson, Glen Robertson; meets at call of President.

Name,—Civil Service Association of Canada. Organized April, 1907; total membership, 2,300; salary paid monthly; total number (union and non-union)

employed at calling in locality, 2,800. President, J. A. Doyon, Inland Revenue Department, Ottawa; Corresponding Secretary, R. H. Coats, Department of Labour; meets last Thursday in month.

Name.—United Brotherhood of Carpenters and Joiners, No. 93. Organized February, 1905; total membership, 60; average earnings per week, $14; average earnings per hour, 28c. to 30c.; number of working hours first five days, 45; number on Saturday, 5; wages paid weekly and fortnightly; average number of days idle per member during year, 30; general cause of idleness, slackness of work in winter weather; total number (union and non-union) employed at trade in locality 300; difference in wages and hours of labour of those engaged at trade in locality between members and non-members of organization, about 3c. per hour in favour of members; cash benefits, death, $50 to wife; disability of member, $100. President, Michel Beudry, Drummond St., East Ottawa; Corresponding Secretary, E. Belair, 267 Clarence St., Ottawa; meets 1st and 3rd Wednesdays in month.

Name.—International Steel and Copper Plate Printers' Union, No. 6. Organized 1897; total membership, 30; number of working hours first five days, 42½; number on Saturday, 4½; wages paid weekly; no idle days during year; total number (union and non-union) employed at trade in locality, 33; no difference in wages or hours of labour of those engaged at trade in locality between members and non-members of organization; cash benefits, death, $50; body affiliated. President, W. H. Kent, 20 Richmond Road, Ottawa; Corresponding Secretary, J. Arthur Glen, 327 Rochester St., Ottawa; meets 1st Friday in month.

Name.—National Union of Painters, Paperhangers and Decorators, No. 2. Organized March 17, 1904; total membership, 60; average earnings per week, $12.41; average earnings per hour, 27c. and 30c.; number of working hours first five days, 45 in summer; 37½ in winter; number on Saturday, 5 in summer and 4 in winter; wages paid weekly and fortnightly; average number of days idle per member during year, 15; general cause of idleness, climatic conditions; total number (union and non-union) employed at trade in locality, 250; difference in wages and hours of labour of those engaged at trade in locality between members and non-members of organization, 5c. to 10c. per hour for non-members, and 4 hours per week (Saturday afternoon) in favour of union men; cash benefits, sickness, voluntary subscription; death, $50 to $100. President, Wm. Hawkins, 94 Nicholas St., Ottawa; Corresponding Secretary, S. Kennedy, 178 Avon St., N.E. Ottawa; meets 1st and 3rd Fridays in month.

Name.—Brotherhood Locomotive Firemen and Engineers (Electric City), No. 81. Total membership, 76; wages paid monthly; average number of days idle per member during year, quiet after opening and closing of navigation; grain traffic makes the greater part of trade in summer; no difference in wages or hours of labour of those engaged in calling in locality between members and non-members of organization; cash benefits, death, $500, $1,000, $1,500, $2,000 and $3,000, according to insurance; body registered. President, Geo. M. Simpson, 88 Frank St., Ottawa; Corresponding Secretary, M. S. Ashe, 212 Henderson Ave., Ottawa; meets 2nd and 4th Thursdays in month.

Name.—International Brotherhood of Teamsters, No. 192. Organized July 26, 1908; total membership, 50; average earnings per week, $9; wages paid weekly; no idle days; total number (union and non-union) employed at calling in locality, 75; no difference in wages or hours of labour of those engaged at calling in locality between members and non-members of organization; cash benefits,

sickness, $4 per week; death, $50. President, Chas. Kelly, 561 Albert St., Ottawa; Corresponding Secretary, A. Renaud, 208 Dalhousie St., Ottawa; meets 1st Sunday in month.

Name.—Amalgamated Association of Street Electric Railway Employes, No. 279. Organized May 11, 1906; total membership, 250; average earnings per week, $9 to $13; number of working hours per week, 6 hours per day for spare men; 10 hours for regulars; wages paid fortnightly; average number of days idle per member during year, about 14; general cause of idleness, sleeping in or missing car; half minute late loses day's work; total number (union and non-union) employed at calling in locality, 285 to 300; wages for all men are as follows: 18½c., 19½c., 20½c. per hour week days; 20½c., 21½c., 22½c., for Sundays; cash benefits, death, $100 after one year's membership; body registered. President, James O'Brien, 211 Slater St., Ottawa; Corresponding Secretary, Chas. Ryan, 258 Albert St., Ottawa; meets 1st and 3rd Fridays in month.

Name.—Canadian Typographical Union, No. 1. Organized October 29, 1907; total membership, 190; average earnings per week, $18.35; average earnings per hour, 38c.; number of working hours first five days, 42½; number on Saturday, 5; wages paid fortnightly; total number (union and non-union) employed at trade in locality, male, 325; female, 4; no difference in wages and hours of labour of those engaged at trade in locality between members and non-members of organization; cash benefits, sickness, $4 per week; death, $200. President, Geo. G. Mercure, 630 King Edward Avenue, Ottawa; Corresponding Secretary, M. B. Bowen, 69 Creighton St.; meets 2nd Saturday in month.

Name.—International Stereotypers' and Electrotypers' Union, No. 50. Organized October 2, 1900; total membership, 10; average earnings per week, $16; number of working hours first five days, 43; number on Saturday, 5; wages paid fortnightly; no idle days; all are members of organization; cash benefits, death, $60; body incorporated and registered. President, T. Hulme, 305 Bell St., Ottawa; Corresponding Secretary, W. R. Hague, 139 Henderson St., Ottawa; meets 1st Thursday in month.

Name.—International Printing Pressmen's Union, No. 5. Organized January 20, 1879; total membership, 48; average earnings per week, $17.50; number of working hours first five days, 42½; number on Saturday, 5; wages paid weekly and fortnightly; no idle time; total number (union and non-union) employed at trade in locality, 50; difference in wages and hours of labour of those engaged at trade in locality between members and non-members of organization, $7 and $9 per week in favour of members. President, W. R. Walmsley, Printing Bureau; Corresponding Secretary, Alf. J. Landen, 327 Bell St., Ottawa; meets 2nd Monday in month.

Name.—International Bricklayers' and Stonemasons' Union, No. 14. Total membership, 136; average earnings per week, $25; average earnings per hour, 50c.; number of working hours first five days, 45; number on Saturday, 5; wages paid fortnightly; average number of days idle per member during year, 10 per cent.; total number (union and non-union) employed at trade in locality, 150; difference in wages and hours of labour of those engaged in locality between members and non-members of organization, most non-union men work Saturday afternoon, and wages about 10c. less than union men are paid. President, John Cameron, 74 Lloyd St., Ottawa; Corresponding Secretary, M. Fleury, 72 Flora St., Ottawa; meets alternate Thursdays in month.

Name.—Bartenders' International League, No. 324. Total membership, 75; average earnings per week, $14; number of working hours first five days, 50; number on Saturday, 12; wages paid weekly, fortnightly and monthly; general cause of idleness, reduction of licenses; total number (union and non-union) employed in locality, 175; no difference in wages or hours of labour of those engaged at calling in locality between members and non-members of organization; cash benefits death, $50; all funeral expenses; body incorporated and registered. President, W. J. Moran, Wellington Hotel, Ottawa; Corresponding Secretary, J. H. Hoffman, Cadillac Hotel, Ottawa; meets 2nd and 4th Sundays in month, in afternoon.

Name.—Journeymen Barbers' International Union, No. 554. Organized June 3, 1901; total membership, 27; average earnings per week, $12; average earnings per hour, 16c.; number of working hours first five days, 60; number on Saturday, 15; wages paid weekly; total number (union and non-union) employed at trade in locality, 60; difference in wages or hours of labour of those engaged at trade in locality between members and non-members of organization, none in time, but an average of $2 per week in favour of members; cash benefits, sickness, $5 per week for 18 weeks; death, from $50 to $500. President, J. A. Lamarche, 162 Rideau St., Ottawa; Corresponding Secretary, A. Bouthillier, Trafalgar Building, corner Bank and Queen Sts., Ottawa; meets 1st and 3rd Mondays in month.

Name.—Operative Plasterers' International Association. Organized November, 1908; total membership, 20; average earnings per week, $20; average earnings per hour, 40c.; number of working hours first five days, 45; number on Saturday, 5; wages paid fortnightly; average number of days idle per member during year, 100; general cause of idleness, slackness of work during winter season; difference in hours of labour and wages of those engaged at trade in locality between members and non members of organization, hours same, but 5c. to 10c. per hour less than scale for non-members; cash benefits, accidents, $5 per week; death, $50; body incorporated. President, W. Shilters, 18 Morris St., Ottawa; Corresponding Secretary, A. Hopkins, 297 Lisgar St., Ottawa; meets 2nd Tuesday in month.

Name.—United Brotherhood of Leather Workers on Horse Goods, No. 162. Organized March, 1907; total membership, about 30; average earnings per week, $10.50; number of working hours first five days, 50; number on Saturday, 9; wages paid weekly; general cause of idleness, slackness of work; total number (union and non-union) employed at trade in locality, about 50; cash benefits, sickness, $5 per week; death, $10 and upwards. President, A. W. Chester, 126 Lyon St., Ottawa; Corresponding Secretary, John R. Ross, 198 Albert St., Ottawa; meets 1st and 3rd Tuesdays in month.

Name.—Journey Tailors' Union of N. A., No. 143. Organized 1882; total membership, male, 46; female, 14; average earnings per week, male, $12.50; female, $6; average earnings per hour, male, 24c.; female, 15c.; number of working hours first five days, 45; number on Saturday, 9; wages paid weekly; total number (union and non-union) employed at trade in locality, male, about 200; female, about 200; difference in wages and hours of labour of those engaged at trade in locality between members and non-members of organization, 8 hours per week and 30 per cent. in wages in favour of members; cash benefits, sickness, $5 per week for ten weeks; death, $100. President, A. F. B. Wilson, Mutchmore St., Ottawa; Corresponding Secretary, R. A. Miller, 652 Somerset St., Ottawa; meets 1st and 3rd Mondays in month.

Name.—International Association of Machinists, No. 412. Total membership, 60; average earnings per week, $15; number of working hours first five days,

50; number on Saturday, 5; wages paid weekly; general cause of idleness, slackness of work; total number (union and non-union) employed at trade in locality, 200; difference in wages and hours of labour of those engaged at trade in locality between members and non-members of organization, members receive 2½c. per hour and non-members 17 1-3c.; cash benefits, death, $200; superannuation, $1,000; body incorporated. President, Cornisto Newman, Anderson St., Ottawa; Corresponding Secretary, Hugh Burke, 138 Lorne Avenue, Ottawa; meets 1st and 3rd Fridays.

Name,—United Association of Plumbers, Gas and Steam Fitters, No. 71. Organized 1891; total membership, 125; average earnings per week, $19; average earnings per hour, 38c.; number of working hours first five days, 54; number on Saturday, 5; all are members in locality; sick benefits, $5 per week for 13 weeks; death, $100 to $200; superannuation, $500; out of work benefit, $3 per week for 13 weeks. President, Harry Lee, 66 Redpath St., Ottawa; Corresponding Secretary, Eugene Cadieux, 387 King Edward Avenue, Ottawa; meets 2nd and 4th Wednesdays in month in Foresters' Hall.

Name,—Amalgamated Society of Carpenters and Joiners, No. 50. Organized May 17, 1907; total membership, 50; average earnings per week, $15; average earnings per hour, 30c.; number of working hours first five days, 45; number on Saturday, 5; wages paid weekly and fortnightly; general cause of idleness, bad weather; difference in wages and hours of labour of those engaged at trade in locality between members and non-members of organization, 5c. per hour in favour of members; cash benefits, sickness, $3 per week; death, $60; superannuation, $2 per week; out of work benefit, $2.50 per week. President, A. Adams, 201 Albert St., Ottawa; Corresponding Secretary, Geo. Wild, 86 Hamilton St., Ottawa; meets alternate Thursdays in month.

Name,—Bricklayers' International Union, No. 7. Organized July 1, 1889; total membership, 98; average earnings per week, $25; average earnings per hour, 50c.; number of working hours first five days, 45; number on Saturday, 5; wages paid fortnightly; average number of days idle per member during year, 100; general cause of idleness, bad weather; difference in wages and hours of labour of those engaged at trade in locality between members and non-members of organization, from 5c. to 20c. per hour and 4 hours per week in favour of members; no cash benefit. President, Wm. Reynold, 91 Rochester St., Ottawa; Corresponding Secretary, Alex. Findley, 1131 Wellington St., Ottawa; meets 2nd Monday in month.

Name,—Operative Plasterers' National Union. Organized May 1, 1905; total membership, 45; average earnings per week, $20; average earnings per hour, 40c.; number of working hours first five days, 45; number on Saturday, 5; wages paid fortnightly. President, H. McNulty, 641 King Edward Avenue, Ottawa; Corresponding Secretary, W. M. Fraser, 397 Kent St., Ottawa; meets 1st and 3rd Fridays in month.

Name,—Stonecutters' International Association. Organized December 5, 1853; total membership, 100; average earnings per week, $19; average earnings per hour, 44c.; number of working hours first five days, 40; number on Saturday, 4; wages paid fortnightly; general cause of idleness, no work during winter months; cash benefits, death, $100; body incorporated and registered. President, David Rae, Ottawa; Corresponding Secretary, Geo. Hutchinson, 185 Flora St., Ottawa; meets 2nd and 4th Fridays in month.

Name,—Carpenters' and Joiners' National Union, No. 2. Organized 1903; total membership, 282; average earnings per week, $16; average earnings per hour,

33c.; number of working hours first five days, 45; number on Saturday, 5; wages paid fortnightly; no difference in wages or hours of labour of those engaged in locality between members and non-members of organization; cash benefits, death, $100; have special work for members, such as reading room, evening classes, etc.; body incorporated and registered. President, Jos. Lapp, 230 Percy St., Ottawa; Corresponding Secretary, Wm. Buchanan, 538 Lisgar St., Ottawa; meets 1st and 3rd Monday in month.

Name.—Hodcarriers' and Builders' Labourers' Union, No. 32. Organized 1878; total membership, 150; average earnings per week, $12.50; average earnings per hour, 25c.; number of working hours first five days, 45; number on Saturday, 5; wages paid fortnightly; total number (union and non-union) employed at calling in locality, 250; difference in wages or hours of labour of those engaged at calling in locality between members and non-members of organization, non-members receive 20c. per hour; cash benefits, death, $50 to $100; body incorporated and registered. President, J. Borris, 642 St. Patrick St., Ottawa; Corresponding Secretary, H. Bassan, 448 Kent St., Ottawa; meets 2nd and 4th Tuesdays in month.

Name.—International Press Feeders' and Assistants' Union, No. 9. Organized May 29, 1909; total membership, 81; average earnings per week; $11.25; number of working hours first five days, 43; number on Saturday, 5; wages paid weekly; average number of days idle per member during year, 10; general cause of idleness, public holidays; no special work for members. President, W. A. Jacques, 159 Friel St., Ottawa; Corresponding Secretary, Orp. Bureau, 231 Duke St., Hull, Que.; meets second Monday of month.

Name.—International Brotherhood of Electrical Workers, No. 630. Total membership, 45; average earnings per week, $12; number of working hours first five days, 45; number on Saturday, 5; wages paid fortnightly; average number of days idle per member during year, 30; general cause of idleness, lack of work; no difference in wages and hours between members and non-members; no special work for members. President, A. W. Trowbridge, 40 Balsam St., Ottawa; Corresponding Secretary, A. V. Kenny, 81 Mutchmore St., Ottawa; meets 1st and 3rd Tuesdays.

Name.—Bakers' and Confectioners' International Union, No. 3. Organized March, 1908; total membership, 60; average earnings per week, $11; number of working hours first five days, 52 to 52½; number on Saturday, 10; wages paid weekly; total number (union and non-union) employed at trade in locality, 70; no difference in wages and hours between members and non-members; no cash benefits; no special work for members. President, Thos. Elliot, Westboro' P.O.; Corresponding Secretary, Thos. L. Leckie, 115 Besserer St., Ottawa; meets 1st Saturday in month.

Name.—International Brotherhood of Blacksmiths and Helpers, No. 440. Organized June 29, 1909; total membership, 21; average earnings per hour, 25c.; number of working hours first five days, 50; number on Saturday, 9; wages paid weekly; no idle days; total number (union and non-union) employed at trade in locality, 21; difference in wages between members and non-members, 10 per cent. in favour of union men; no special work for members. President, M. R. Hamilton, 112 Banks St., Ottawa; Corresponding Secretary, A. Hurtubise, 103 Bolton St., Ottawa; meets 2nd and 4th Tuesdays.

Name.—International Brotherhood of Meat Cutters and Butchers, No. 466. Organized April, 1908; total membership, 44; average earnings per week, $10;

number of working hours first five days, 55; number on Saturday, 15; wages paid fortnightly; no idle days; total number (union and non-union) employed at trade in locality, 100; difference in wages between members and non-members, 5 per cent. in favour of members; death benefits, $100; no special work for members. President, H. H. Beamish, 28 Florence St., Ottawa; Corresponding Secretary, Jas. Usher, Arlington and Percy Sts., Ottawa; meets 2nd and 4th Wednesdays.

Name,—Federal Labourers' Union, No. 8. Incorporated June, 1909; total membership, 40; average earnings per week, $10; number of working hours first five days, 50; number on Saturday, 9; wages paid weekly; average number days idle per member during year, 25; general cause of idleness, slackness in work; total number (union and non-union) engaged at calling in locality, 300; no difference in wages or hours between members and non-members; no cash benefits. President, F. Laroeque, 60 Baird St., Ottawa; Corresponding Secretary, Eugene Cadieux, 387 King Edward Ave., Ottawa; meets 1st and 3rd Saturdays.

Name,—Boilers and Iron Shipbuilders, Capital Lodge, No. 324. Organized Feb. 8, 1907; total membership, 21; average earnings per week, $15; number of working hours first five days, 50; number on Saturday, 5 to 10 hours; wages paid weekly; average number of days idle per member during year, 30; general cause of idleness, trade dull; total number employed at calling in locality, 21; all are members; no cash benefits; no special work for members, such as reading room, evening classes, etc. President, F. Francoeur, 169 Henderson Avenue, Ottawa; Corresponding Secretary, Wm. Clark, 190 Henderson Ave., Ottawa; meets 2nd and 4th Wednesdays in month.

Name,—Musicians' Protective Association, No. 180. Organized March 2, 1902; total membership, male, 150; female, 3; no cash benefits; no special work for members, such as evening classes, reading room, etc. President, Thos. T. Benbow, Ottawa West P.O.; Corresponding Secretary, R. Aime Tison, 13 Cathcart St., Ottawa; meets last Sunday in month at 2.15 p.m.

Owen Sound.

Name,—International Brotherhood of Maintenance of Ways Employees, No. 214. Organized 1892; total membership, 50; average earnings per week, $9.30; average earnings per hour, 15½c.; number of working hours first five days, 50; number on Saturday, 10; wages paid monthly; average number of days idle per member during year, 4; holidays and fairs general cause of idleness; total number (union and non-union) employed at calling in locality, 5; no difference in wages or hours of labour of those working in locality between members and non-members of organization; no cash benefits; body incorporated and registered. President, R. McIntosh, 52 George St., Owen Sound; Corresponding Secretary, David Knight, Melville Cross P. O.; meets Saturday of each third month.

Name, -Bricklayers' and Masons' International Union, No. 11. Organized May 21, 1898; total membership, 21; average earnings per week, $21.00; average earnings per hour, 40c.; number of working hours first five days, 45; number on Saturday, 9; number of days idle per member during year, 90; general cause of idleness, inclement weather and scarcity of work; total number (union and non-union) employed at trade in locality, 21 union and 10 non-union; difference in wages and hours of labour, if any, of those engaged at trade in locality between members and non-members of organization, one hour per day in favour of members; no cash benefits; body not incorporated or registered. President, Peter

Hodson, Owen Sound; Corresponding Secretary, Geo. A. Perkins, Box 561, Owen Sound; meets each Thursday.

Name.—Journeymen Stonecutters' Association of N. A. Organized Jan., 1902; total membership, 11; average earnings per week, $21.60; average earnings per hour, 45c.; number of working hours first five days, 40; number on Saturday, 8; wages paid fortnightly; general cause of idleness, inclement weather and artificial stone; total number (union and non-union) employed at trade in locality, 4; difference in wages and hours of labour, if any, of those engaged at trade in locality between members and non-members of organization, 15c. per hour and two hours per day in favour of members; cash benefits, death, $100; no special work for members such as reading room, evening classes, &c.; body not incorporated. President, Alex. Grant, Owen Sound; Corresponding Secretary, Edward Gaskell, Box 520, Owen Sound; meets 2nd and 4th Fridays.

PALMERSTON.

Name.—Order of Railway Conductors, No. 492. Organized May 20, 1906; total membership, 18; average earnings per week, $13; average earnings per hour, 28c.; number of working hours first five days, 40; number on Saturday, 8; wages paid monthly; average number of days idle per member during year, about 40; general cause of idleness, injuries; total number (union and non-union) employed at same calling in locality, 18; no difference in wages or hours of labour between members and non-members of organization; no cash benefits; no special work for members such as reading rooms, &c.; not incorporated or registered. Corresponding Secretary, T. W. Cordingly, Palmerston.

Name.—Brotherhood of Locomotive Firemen and Engineers. Organized Nov., 1883; total membership, 50; average earnings per week, $10 and $22; average earnings per hour, 17c. and 30c.; wages paid monthly; total number (union and non-union) employed at same calling in locality, about 70; no difference in wages or hours of labour between members and non-members of organization; sick benefits $3 per week; death benefits, $500, $1,000, $1,500, $2,000 and $3,000; no special work carried on for members; body is registered. President, John Leakey, Palmerston; Corresponding Secretary, Alex. Dunbar, Box 48, Palmerston; meets first and third Sundays in month.

PEMBROKE.

Name.—International Brotherhood of Maintenance of Way Employees. Total membership, 25; average earnings per week, $9.50; average earnings per hour 15½c.; number of working hours first five days, 50; number on Saturday, 10; wages paid monthly; no special work carried on for members. President, J. Cochrane Cobden P. O.; Corresponding Secretary, A. Austin, Pembroke; meets last Saturday in month.

PETERBOROUGH.

Name.—Journeymen Barbers' International Union of America, No. 402. Organized June 26, 1902; total membership, 18; average earnings per week, $11; number of working hours first five days, 50; number on Saturday, 14; wages paid weekly; total number (union and non-union) employed at trade in locality, 40 including apprentices; sick benefits, $5 per week; death benefits, $60 to $500. President, Eli Hooey, Oriental Hotel, Peterborough; Corresponding Secretary, W. H. Gainey, 423 George St., Peterborough; meets on last Monday of month.

Name,—American Federation of Musicians, No. 191. Organized 1901; total membership, 40; average earnings per week, $6; average earnings per hour, 50c.; not incorporated. President, W. Hughes, Bolivar St., Peterborough; Corresponding Secretary, J. A. Harper, 734 George St., Peterborough; meets 1st Monday in month.

Name,—International Typographical Union, No. 248. Organized May, 1901, total membership, 40; average earnings per week, $12; average earnings per hour, 25c.; number of working hours first five days, 40; number on Saturday, 8; wages paid weekly; little if any idle time; total number (union and non-union) employed at trade in locality, 42; non-union men work for anything and any time; death benefit, $75; superannuation, $4 per week; no sick or out of work benefits; old age home for printers, Colorado Springs; no special work carried on for members; body registered. President, I. Thompson, 258 Aylmer St., Peterborough; Corresponding Secretary, J. M. Galbraith, 125 Brock St., Peterborough; meets 2nd Saturday of month.

Name,—Brotherhood of Painters, Paperhangers and Decorators of America, No. 379. Organized May 19, 1908; total membership, 15; average earnings per week, $12; average earnings per hour, 22½c.; number of working hours first five days, 45; number on Saturday, 9; wages paid weekly; average number of days idle per member during year, 30; general cause of idleness, no work in winter till end of January; total number (union and non-union) employed at trade in locality, about 30; some non-members work 10 hours; wages $1.50 to $1.75; death benefits from $50 to $500, according to length of membership; no other cash benefits; no special work for members; not incorporated or registered. President, Thos. Embury, 344 Simcoe St., Peterborough; Corresponding Secretary, Wm. Thomas, 501 Donegal St., Peterborough; meets 1st and 3rd Mondays in month.

Name,—United Brotherhood of Carpenters and Joiners of America, No. 672. Organized 1900; total membership, 34; average earnings per week, $15; number of working hours first five days, 45; number on Saturday, 9; wages paid weekly; average number of days idle per member during year, 72; general cause of idleness, cold weather and lack of work; total number (union and non-union) employed in locality, 100; difference in wages between members and non-members, 25c. per day; death benefits, $250; no other cash benefits. President, Wm. Geary, Smith St., Peterborough; Corresponding Secretary, Geo. Stone, 518 Chamberlain St., Peterborough; meets 2nd and 4th Mondays.

Name,—International Brotherhood of Maintenance of Ways Employees, No. 211. Organized March, 1904; total membership, 45; average earnings per week, $9.30; number of working hours first five days, 50; number on Saturday, 10; wages paid monthly; no difference in wages or hours between members and non-members; no special work for members. President, Geo. Spicer, Peterborough; Corresponding Secretary, George A. Tummon, Myrtle Station; meets every three months.

Name,—Journeymen Tailors' Union of America, No. 23. Organized April, 1902; total membership, male, 10; female, 15; average earnings per week, male, about $9; female, about $5; number of working hours first five days, 45; work principally on piece; number of hours on Saturday, 9; wages paid weekly and fortnightly; average number of days idle per member during year, about 60; general cause of idleness, slackness of trade; total number employed at trade in locality, male, 11; female, 18; cash benefits, sickness, $5 per week; death, $100; no special

work for members, such as reading room, evening classes, etc. President, J. McConliff, Peterborough; Corresponding Secretary, T. L. Anderson, 516 Water St., Peterborough; meets fourth Wednesday in month.

Port Arthur.

Name,—Bricklayers' and Masons' International Union, No. 25, Port Arthur and Fort William. Total membership, 72; average earnings per week, $31; average earnings per hour, 57 1-2c.; number of working hours first 5 days, 45; number on Saturday, 9; wages paid fortnightly; average days idle per member during year, 150; general cause of idleness, winter and wet weather; no cash benefits; no special work for members; registered with International union. President, B. Goldike, 127 South Brodie St., Fort William; Corresponding Secretary, A. E. Thornham, 104 Empire Ave., Dawson Road, Port Arthur; meets second and fourth Mondays.

Name,—International Association of Machinists, No. 820. Organized April, 1908; total membership, 14; average earnings per week, $18; average earnings per hour, 30c.; number of working hours first 5 days, 45; number on Saturday, 9; wages paid weekly or monthly; average number of days idle per member during year, 30; general cause of idleness, retrenchment; total number (union and non-union) employed at trade in locality, 20; no difference in wages or hours between members and non-members; no special work for members; lack of employment, sick and out of work benefits, exemption from dues; death benefits, $50 to $1,000; superannuation, $50 to $2,000; on strike, from $7 to $8 per week; not incorporated or registered. President, Geo. Stark, Pearl St., Port Arthur; Corresponding Secretary, Andrew Boyd, 368 Wiley St., Port Arthur; meets second and fourth Saturdays.

Name,—Brotherhood of Loco. Firemen and Engineers, Silver Islet Lodge, No. 593. Total membership, 35 firemen and 8 engineers; average earnings per hour, about 28c. for firemen; about 44c. for engineers; wages paid monthly; total number (union and non-union) employed at calling in locality, 40 firemen; 8 engineers, exclusive of members of Bro. of Loco. Engineers; no difference in wages or hours between members and non-members; death benefits, $500 to $3,000; no other cash benefits; no special work for members. President, T. M. Spooner, 152 Albert St., Port Arthur; Corresponding Secretary, H. Bowers, 216 Ambrose St., Port Arthur; meets second and fourth Sundays.

Name,—Typographical Union, No. 575. Organized Oct., 1907; total membership, 15; average earnings per week, $19; average earnings per hour, 39 7-12c.; number of working hours first 5 days, 40; number on Saturday, 8; wages paid weekly or monthly; average number of days idle per member during year, 14; general cause of idleness, sickness; total number (union and non-union) employed at trade in locality, 22 males, 1 female; about one hour difference between members and non-members; death benefits, $75; strike benefits, from $5 to $7 weekly; no special work for members; body registered. President, E. G. Price, c/o Daily *News*, Port Arthur; Corresponding Secretary, Clive N. Lockhead, Box 22, Port Arthur; meets first Tuesday in month.

Name,—International Brotherhood of Maintenance of Way Employees, No. 172. Organized May 6, 1906; total membership, 65; average earnings per week, $14; average earnings per hour, 24c.; number of working hours first 5 days, 50; number on Saturday, 10; wages paid monthly; no idle days; no difference in wages or hours between members and non-members; no cash benefits; no special work for members; incorporated and registered. President, Wm. Connan, 103 Algoma St., Port Arthur; Corresponding Secretary, Geo. Blacklock, Kashabowie; meets last Saturday in month.

Port Colborne.

Name,—United Brotherhood of Carpenters and Joiners, No. 1168. Organized June 24, 1903; total membership, 34; average earnings per week, $13.50; average earnings per hour, 25c.; number of working hours first 5 days, 45; number on Saturday, 9; wages paid monthly; average number of days idle per member during year, 60; general cause of idleness, winter weather; total number (union and non-union) employed at trade in locality, 34; no difference in wages and hours between members and non-members; no special work for members. President, Geo. H. Deeks, Humberstone P. O.; Corresponding Secretary, Wallace Augustine, Port Colborne; meets first and third Mondays, at Humberstone, Temperance Hall.

Port Hope.

Name,—International Moulders, No. 189, Port Hope and Cobourg. Total membership, 60; average earnings per week, $19; average earnings per hour, 37 1-2c.; number of working hours first 5 days, 50; number on Saturday, 10; wages paid fortnightly; average number of days idle per member during year, 30; general cause of idleness, slack times, sickness and stock-taking; total number (union and non-union) employed at trade in locality, 60; all organized; sick benefits, $5.40 per week for 13 weeks; death benefits, $100 to $200; out of work benefits, weekly dues for 13 weeks; no special work for members; not incorporated or registered. President, John Obner, Box 247, Cobourg; Corresponding Secretary, Chas. A. McElroy, Box 201, Port Hope; meets second and fourth Mondays.

Prescott.

Name,—International Longshoremen's Association, No. 244. Organized May 27, 1901; total membership, 100; average earnings per week, $8; average earnings per hour, 35c.; number of working hours first 5 days, 50; number on Saturday, 10; wages paid weekly; average number of days idle per member during year, 90; general cause of idleness, too much immigration of foreigners, Poles, Italians, etc.; total number (union and non-union) employed at calling in locality, union, 100; non-union, 50; difference in wages between members and non-members, union, 35c.; non-union, 15c.; no cash benefits; no special work carried on for members; not incorporated or registered. President, Geo. M. Harris, Box 87, Prescott; Corresponding Secretary, Geo. H. Harris, Box 87, Prescott; meets every Monday.

Preston.

Name,—International Moulders' Union. Organized May 1, 1900; total membership, 71; average earnings per week, $14.50; average earnings per hour, 29c.; number of working hours first 5 days, 50; number on Saturday, none; wages paid weekly; general cause of idleness, great number of immigrants and having to halve up the work with them; total number (union and non-union) employed at trade in locality, 80; difference in wages between members and non-members, about 5c. and 10c. per hour; sick benefits, $5.40 per week for 13 weeks; death benefits, $100 to $200; no special work for members; not incorporated or registered. President, John McKenna, Preston; Corresponding Secretary, T. J. Parker, Preston; meets first and third Wednesdays.

Sarnia.

Name,—Brotherhood of Loco. Firemen and Engineers, Huron Lodge, No. 221. Organized June 8, 1884; total membership, 63; average earnings per week, $17; average earnings per hour, 22c.; working hours, by the trip; wages paid monthly;

total number (union and non-union) employed at calling in locality, 150; no difference in wages or hours between members and non-members; death benefit, amount of policy; superannuation, old age, G. T. R. system; no other cash benefits; maintains equipment of air brakes and model engines for use in passing examinations. President, Adam Frayne, 180 Ontario St., Sarnia; Corresponding Secretary, Edward J. Blake, 410 South Christina St., Sarnia; meets first and third Tuesdays.

Name,—Brotherhood of Railway Carmen of America, No. 295. Organized June 3rd, 1907; total membership, 22; average earnings per week, $10; average earnings per hour, 16 2-3c.; number of working hours first 5 days, 50; number on Saturday, 10; wages paid weekly; total number (union and non-union) employed at trade in locality, 22; incorporated and registered. President, F. L. Ronemus, 510 Hall Building, Kansas, Mo.; E. W. Weeks, 507 Hall Building, Kansas, Mo.; meets first Monday of month.

Name.—Journeymen Barbers' International Union of America, No. 17. Organized 1902; total membership, 17; average earnings per week, $14; average earnings per hour, 20c.; number of working hours first 5 days, 50; number on Saturday, 16; wages paid weekly; no idle days; all organized; sick benefits, $5 per week; death benefits, from $60 to $500; no special work for members. President, Frank X. Noschang, Box 397, Albany, N.Y.; Corresponding Secretary, Jacob Fisher, Box 151, Indianapolis, Ind.; meets last Tuesday in month.

Name.—Order of Railway Conductors, Frontier Division, No. 189. Organized April 27, 1886; total membership, 41; average earnings per week, $20; average earnings per hour, 29c.; number of working hours first five days, 50; number on Saturday, 10; wages paid monthly; total number (union and non-union) employed at calling in locality, 43; no difference in wages or hours between members and non-members; death benefits, from $1,000 to $3,000; no other cash benefits, no special work for members; incorporated and registered. President, T. H. Johnson, 332 Campbell St., Sarnia; Corresponding Secretary, H. Bell, 288 Campbell St., Sarnia; meets 1st and 3rd Tuesdays.

Name,—Painters, Paperhangers and Decorators of America, No. 422. Organized September, 1901; total membership, 11; average earnings per week, $12; average earnings per hour, 22½c.; number of working hours first five days, 45; number on Saturday, 9; wages paid weekly; average number of days idle per member during year, 40; general cause of idleness, slack season; difference in wages between members and non-members, 2c. to 7c. per hour; death benefits, $50 to $200; no other cash benefit; no special work for members; not incorporated or r gistered. President, Gilbost Taylor, Wellington St., Sarnia; Corresponding Secretary, Geo. H. Weston, 108 Queen St., Sarnia; meets 1st and 3rd Mondays.

Name.—Brotherhood of Locomotive Engineers, No. 240. Organized 1883; total membership, 70; paid by the miles' run; wages paid monthly; total number employed at calling in locality, about 90; no difference in wages or hours between members and non-members; death benefit, face value of insurance policy; pension by company at 65 years; company provides a Y.M.C.A. with books and papers. Division Chief, H. Spratt, Sarnia; Corresponding Secretary, James Copeland, Sarnia; meets every 2nd Thursday.

Name,—United Brotherhood of Carpenters and Joiners, No. 1501. Organized November 1, 1902; total membership, 14; average earnings per week, $13.50; number of working hours first five days, 45; number on Saturday, 9; wages paid weekly; number of days idle per member during year, 3 to 4 months; general cause of idleness, building not carried on extensively during winter months; total number

employed at trade in locality, 40; in some cases there is a difference in hours and wages between members and non-members; cash benefits, funeral, $50; no special work carried on such as reading room, evening classes, etc. President, Frank Medcoff, Nelson St., Sarnia; Corresponding Secretary, R. O. Hackney, 144 Kathleen Avenue, Sarnia; meets 3rd Wednesday in each month.

Sault Ste. Marie.

Name,—Bricklayers' and Masons' International Union. Organized June 6; 1901; total membership, 32; average earnings per week, $27; average earnings per hour, 50c.; number of working hours first five days, 45; number on Saturday, 9; wages paid fortnightly; average number of days idle per member during year, 75 to 100; general cause of idleness, cold weather; total number (union and non-union) employed at trade in locality, 40; non-union men work 10 hours for varying wages; no cash benefits; no special work for members; body incorporated. President, Edward Kelly, Steelton, Ont.; Corresponding Secretary, T. McIntyre, Box 235, Sault Ste. Marie; meets on Tuesdays.

Name,—United Brotherhood of Carpenters and Joiners of America. Organized 1895; total membership, 10; average earnings per week, $18; average earnings per hour, 33 1-3c.; number of working hours first five days, 45; number on Saturday, 9; wages paid fortnightly; average number of days idle per member during year, 60; general cause of idleness, lack of building; total number (union and non-union) employed at trade in locality, 40; union men work 9 hours, non-union 10; from 7c. to 10c. difference in wages; no cash benefits; no special work for members; not incorporated or registered. President, Alex. S. Scott, Sault Ste. Marie; Corresponding Secretary, J. C. Curtain, Sault Ste. Marie; meets 2nd and 4th Wednesdays.

Name,—International Moulders' Union of America. Organized October 3, 1906; total membership, 8; average earnings per week, $18; average earnings per hour, 30c.; number of working hours first five days, 50; number on Saturday, 10; average number of days idle per member during year, half time; general cause of idleness, shut down on account of steel plant not running; total number (union and non-union) employed at trade in locality, 8 union, 5 non-union; no difference in wages and hours between members and non-members; sick benefits, $5.40; death benefits, $1,000; no superannuation; out of work benefits, remit of dues for 13 weeks; no special work for members; body incorporated. President, John Morris, Box 809, Sault Ste. Marie; Corresponding Secretary, Archie Lawson, Box 809, Sault Ste. Marie; meets 3rd Friday in month.

Name,—Brotherhood of Locomotive Engineers, No. 67. Organized 1902; total membership, 14; average earnings per week, $25; average earnings per hour, 30c.; number of working hours first five days, 60; number on Saturday, 12; wages paid monthly; average number of days idle per member during year, 30; general cause of idleness, holidays; total number (union and non-union) employed at trade in locality, 16; no difference in wages and hours between members and non-members; no cash benefits; no special work for members; body incorporated. President, N. Fulcher, Box 38, West Sault Ste. Marie; Corresponding Secretary, A. C. Wagnor, West Sault Ste. Marie; meets 2nd and 4th Sundays.

Name,—Brotherhood of Railroad Trainmen. Organized 1878; total membership, 29; average earnings per week, $20; average earnings per hour, 23c. or 30c.; number of working hours first five days, 60; number on Saturday, 12; wages paid monthly; total number (union and non-union) employed at calling in locality, 35;

death benefits, $1,350, $1,000 and $500; no special work for members; body incorporated and registered; brakemen receive 17½c. per hour for first year, and 23c. per hour after that. President, J. D. McPhail, Sault Ste. Marie West; Corresponding Secretary, Joseph Mason, Box 123 West Sault Ste. Marie; meets 2nd and 4th Fridays.

Schreiber.

Name.—International Brotherhood of Maintenance of Way Employees, No. 260. Organized August, 1904; total membership, 80; average earnings per week, $12; average earnings per hour, section men, 15c.; bridge men, $2 to $2.60 per day; number of working hours first five days, 50; number on Saturday, 10; wages paid monthly; one man in each section gang laid off in winter; total number (union and non-union) employed at calling in locality, about 125; no difference in wages and hours between members and non-members; no cash benefits; no special work for members; body incorporated. President, elected each meeting; Corresponding Secretary, W. Sparks, Schreiber; meets last Sunday in month.

Smith's Falls.

Name.—Brotherhood of Locomotive Firemen and Engineers, St. George's Lodge, No. 479. Organized March 28, 1892; total membership, 75; average earnings per week, about $20; wages paid monthly; average number of days idle per member during year, about 30; general cause of idleness, slackness in freight traffic; total number (union and non-union) employed at calling in locality, 120; no difference in wages or hours between members and non-members; death benefit, amount of insurance carried; no other cash benefits; no special work for members. President, Reuben L. Plato, Smith's Falls; Corresponding Secretary, Hugh Richmond, Box 169, Smith's Falls; meets 2nd and 4th Mondays at 1.30 p.m.

Name.—International Brotherhood of Maintenance of Way Employees, No. 136, C.P.R. Total membership, 40 to 50; average earnings per week, $9.30; average earnings per hour, 15½c.; number of working hours first five days, 50; number on Saturday, 10; wages paid monthly; no idle days except through accidents; no difference in wages and hours between members and non-members, except that those not long enough in the service get $1.10 per day; no cash benefits; no special work for members. President, F. Bragg, Avonmore, Ont.; Corresponding Secretary, D. McMillan, Monkland Station, Ont.; meets at call of President and Secretary.

Stratford.

Name.—International Cigarmakers' Union, No. 424. Organized 1899, total membership, 13; average earnings per week, $10; average earnings per hour, 21c.; number of working hours first five days, 40; number on Saturday, 8; wages paid weekly; average number of days idle per member during year, 24; general cause of idleness, lack of employment; total number (union and non-union) employed at trade in locality, 13; benefits, lack of employment, $5 per week; sick benefit, $5 per week; death benefit, highest, $550; out of work benefit, $3 per week. President, J. F. Heintzman, Commercial Hotel, Stratford; Corresponding Secretary, Jas. Hagarty, 39 Centre St., Stratford; meets 1st Wednesday in month.

Name.—Barbers' International Union, No. 136. Organized January 23, 1901; total membership, 20; average earnings per week, $11; number of working hours

first five days, 60; number on Saturday, 17; wages paid weekly; total number (union and non-union) employed at trade in locality, 20; sick benefits, $5 per week; death benefits, $75 to $250; no special work for members; not incorporated or registered. President, R. E. Hollinger, Stratford; Corresponding Secretary, G. J. Spriggs, 273 Ontario St., Stratford; meets last Monday in month.

Name,—Amalgamated Society of Engineers, No. 579. Organized 1851; total membership, 42; average earnings per hour, 22c. to 30c.; number of working hours first five days, 45; number on Saturday, 5; wages paid weekly; no difference in wages or hours between members and non-members; sick benefits, $2.50 per week; death benefits, $60; superannuation, $1.75 to $2.50 per week; out of work benefits, $2.50 per week; fortnightly meetings for members; registered in London, England, September 26, 1904. President, Rich. Eddleston, Stratford; Corresponding Secretary, Wm. Bell, 216 Douro St., Stratford; meets every second Saturday.

Name,—Brotherhood of Locomotive Firemen and Engineers, Avon Lodge, No. 38. Organized 1873; total membership, 55; wages paid monthly; total number (union and non-union) employed at calling in locality, 55 union, 10 not yet eligible; firemen are in probationary service 6 months; death benefits, the amount the certificate calls for; no special work for members; incorporated and registered. President, Fred Corby, 83 Blake St., Stratford; Corresponding Secretary, J. Spencer, 91 Nile Street, Stratford; meets 2nd Sunday and 4th Tuesday.

Name,—Brotherhood of Locomotive Engineers. Organized 1875; total membership, 75; average earnings per week, $20; wages paid monthly; total number (union and non-union) employed at calling in locality, about 80; no difference in wages and hours between members and non members; death benefits, $1,500 to $4,500; evening classes for members. President, Donald Ross, 239 Front St., Stratford; Corresponding Secretary, John Banlog, 58 Perth St., Stratford; meets 1st and 3rd Sunday afternoon.

Name,—Stratford Typographical Union, No. 139. Organized 1901; total membership, 16; average earnings per week, $10; number of working hours first five days, 40; number on Saturday, 8; wages paid weekly; no idle time; total number at trade in locality, about 20; non-members work one hour per day longer than members of union; cash benefits, death, $75; superannuation, $4 per week for members, 20 years' membership, at 60 years (International); no special work for members such as evening classes, reading room, etc. President, C. McDonald, Nile St., Stratford; Corresponding Secretary, F. H. Ryan, 20 Jones St., Stratford; meets 1st Saturday in month.

St. Catharines.

Name,—Brotherhood of Painters, Paperhangers and Decorators of N. A., No. 407. Organized August 1st, 1901; total membership, 81; average earnings per week, $13; average earnings per hour, 30c.; number of working hours first five days, 45, number on Saturday, 4; wages paid weekly; average days idle per member during year, 60 to 75; general cause of idleness, not much building requiring to be finished in winter; total number (union and non-union) employed at calling in locality, 4 to 7; 2 non-union men who are mechanics get about the same as union men; the rest about 50 per cent. less; death benefits, $100 to $300, according to length of membership; no other cash benefits; no special work for members; not incorporated or registered. President, Fred Willey, 3 McDonald St., St. Catharines; Corresponding Secretary, Wm. D. Outram, 30 Nelson St., St. Catharines; meets 2nd and 4th Wednesdays.

Name,—United Brotherhood of Carpenters and Joiners of A., No. 38. Organized February 22, 1883; total membership, 75; average earnings per week, $12.50; average earnings per hour, 25c.; number of working hours first five days, 45; number on Saturday, 5; wages paid weekly and fortnightly; average number of days idle per member during year, 40; general cause of idleness, inclement weather and business depression; total number (union and non-union) employed at trade in locality, 85; union wages, 33c. per hour; non-union, 20c. to 30c.; hours, non-union, 50 to 60; sick benefits, voluntary donation; death benefit, $200; wife's death, $50; disability, $300 to $400; about reviving blackboard demonstrations for members; not incorporated or registered. President, W. N. Watson, 125 Niagara St., St. Catharines; Corresponding Secretary, Jas. Carty, 19 Cherry St., St. Catharines; meets every Friday.

Name,—Bricklayers', Masons' and Plasterers' International Union, No. 4. Organized June 5, 1882; total membership, 41; average earnings, per week, $12; average earnings per hour, 45c.; number of working hours first five days, 45; number on Saturday, 5; wages paid weekly; number of days idle per member during year, 150; general cause of idleness, lack of work and bad weather; recreation room for members during winter months. President, E. Bennett, Maple St., St. Catharines; Corresponding Secretary, C. G. Patey, 48 Louisa St., St. Catharines; meets 1st and 3rd Tuesdays.

Name,—Barbars' Union, No. 1. Organized November 1, 1886; total membership, 24; average earnings per week, $12; number of working hours first five days, 60; number on Saturday, 16; wages paid weekly; days idle, holidays; total number (union and non-union) employed at trade in locality, 24; sick benefits, $3 per week; death benefits, $25; no special work for members; not incorporated or registered. President, Sidney J. Towers, St. Paul St., St. Catharines; Corresponding Secretary, Adam Haynes, 293 St. Paul St., St. Catharines; meets 1st and 3rd Mondays.

Name, -Amalgamated Society of Carpenters and Joiners, No. 422. Organized in Great Britain, June 4, 1861; total membership, 8; average earnings per week, $14; average earnings per hour, 33c.; number of working hours first five days, 45 in summer, 40 in winter; number on Saturday, 5 hours in summer, 4 in winter; wages paid weekly; average number of days idle per member during year, 30; general cause of idleness, bad weather and slackness of work; total number (union and non-union) employed at trade in locality, 130; all organized; lack of employment benefits, $5 every 2 weeks; sick benefits, $6 every 2 weeks; death benefits, $60; superannuation, $2 per week for life; tool benefit, loss by fire, water or theft, to the value of $100; accident benefit, $500 for total disableness; no special work for members. President, W. Nicholson, Whitby St., St. Catharines; Corresponding Secretary, Arthur H. Watts, 21 Victoria St., St. Catharines; meets alternate Thursdays.

Name,—International Typographical Union, No. 416. Total membership, male, 18; female, 1; average earnings per week, male, $14; female, $12; average earnings per hour, male, 29c.; female, 25c.; number of working hours first five days, 40; number on Saturday, 8; wages paid weekly; death benefits, $75; superannuation, $4 per week; no special work for members. President, Walter James, Standard Printing Co., St. Catharines; Corresponding Secretary, Bert Gadsby, 16 Haynes Ave., St. Catharines; meets last Monday in month.

Name,—International Cigarmakers' Union, No. 140. Organized August 24, 1881; total membership, male 23; female, 1; average earnings per week, male, $12;

female, $12; average earnings per hour, male, 25c.; female, 25c.; number of working hours first five days, 40; number on Saturday, 8; wages paid weekly; average number of days idle per member during year, 15; general cause of idleness, dulness of trade; total number (union and non-union) employed at trade in locality, male, 25; female, 1; difference in wages and hours between members and non-members, $3 and 2 hours; sick benefits, $5 per week; death benefit, $50 to $550; out of work benefits, $3 per week; no special work for members; incorporated and registered. President, Wilfred Haynes, Cherry St., St. Catharines; Corresponding Secretary, Leo. T. Coyle, 3 Court St., St. Catharines; meets first Monday.

Name,—Journeymen Tailors' Union of A., No. 235. Organized 1896; total membership, male 23, female 13; average earnings per week, male $10, female $5; average earnings per hour, male 20c., female 10c.; number of working hours first five days, 50; number on Saturday, 10; wages paid weekly; average number of days idle per member during year, 50; general cause of idleness, slack season; total number (union and non-union) employed at trade in locality, male 31, female 15; difference in wages between members and non-members, slightly higher for union men; sick benefits, $5 per week; death benefits, $100 4 years' membership; no other cash benefits; no special work for members; not incorporated or registered. President, L. Rogers, 159 Church St., St. Catharines; Corresponding Secretary, Verner L. Fullerton, 140 Queenston St., St. Catharines; meets 1st Monday of month.

Name,—Moulders' Union of North America, No. 385. Total membership, 13; average earnings per hour, 27½c.; number of working hours first five days, 50; number on Saturday, 9; wages paid, 2 shops weekly, one shop fortnightly; total number (union and non-union) employed at trade in locality, about 100; no difference in wages and hours between members and non-members; sick benefits, $5.20 per week; death benefits, $100; no special work for members. President, Harry Grey, Ellis House, St. Catharines; Corresponding Secretary, R. Haulan Wright, 112 Church St., St. Catharines; meets 2nd and 4th Fridays.

Name,—Plumbers', Gas Fitters', etc., United Association of United States and Canada, No. 244. Organized 1891; total membership, 25; average earnings per week, $12; number of working hours first five days, 45; number on Saturday, 5; wages paid weekly; average number of days idle per member during year, 52; general cause of idleness, lack of trade during winter months; total number (union and non-union) employed at trade in locality, 28; sick benefits, $5 a week; death benefits, $100; superannuation, $300. President, John Duggan, City Hotel, St. Catharines; Corresponding Secretary, Harry Oliver, 31 Beech St., St. Catharines; meets every Thursday.

St. Thomas.

Name,—Brotherhood of Locomotive Engineers, No. 132. Organized 1876; total membership, 163; average earnings per week, $30; working hours, full time; wages paid monthly; if any idle days, cause slack business; total number (union and non-union) employed at calling in locality, 300; no difference in wages or hours of labour between members and non-members; sick benefits, $10 per week; death benefits, $1,500 to $4,500; no other cash benefits; no special work for members; incorporated and registered in Ohio. President, Geo. H. Sloggett, 37 Locust St., St. Thomas; Corresponding Secretary, E. Cowles, 39 Locust St., St. Thomas; meets Monday at 2.30 p.m.

Name,—Order of Railway Conductors, No. 13. Organized 1881; total membership, 100; average earnings per week, $20; wages paid monthly; no idle days;

no difference in wages and hours of labour between members and non-members; no cash benefits; no special work for members; incorporated and registered in the State of Iowa. President, Patrick J. Handley, St. Thomas; Corresponding Secretary, John Mackenzie, 50 Gladstone Ave., St. Thomas; meets 2nd and 4th Sundays, 2 p.m.

Name,—Journeymen Barbers' Union of America, No. 222. Organized May 21, 1900; total membership, 25; average earnings per week, $13; number of working hours, 8 a.m. to 8 p.m.; number on Saturday, 8 a.m. till midnight; wages paid weekly; no days idle; total number (union and non-union) employed at trade in locality, 40; difference between members and non-members, 1 to 3 hours per day, $2 to $5 per week; sick benefits, $5 per week; death benefits, $60 to $500; no special work for members; not incorporated or registered. President, E. E. Freeman, St. Thomas; Corresponding Secretary, Edgar N. Compton, 56 Redan St., St. Thomas; meets last Thursday in month.

Name,—Brotherhood of Railway Carmen, Unity Lodge, No. 304. Organized May 11, 1906; total membership, 30; average earnings per hour, 18c.; number of working hours first five days, 50; number on Saturday, 10; wages paid monthly; no special work for members. President, Fred R. Strongman, 417 Bathurst St., St. Thomas; Corresponding Secretary, Sidney Cowlin, 33 Hiawatha St., St. Thomas; meets 1st and 3rd Wednesdays.

Name,—Bricklayers' and Masons' International Union, No. 8. Total membership, 13; average earnings per week, $21.60; average earnings per hour, 40c.; number of working hours first five days, 45; number on Saturday, 9; wages paid fortnightly; average number of days idle per member during year, 15; general cause of idleness, winter; total number (union and non-union) employed at trade in locality, 20; difference in wages between members and non-members, about 10c. per hour; no cash benefits; no special work for members; not incorporated or registered. President, Chas. Scrase, Jr., 57 Kains St., St. Thomas; Corresponding Secretary, Orlando J. Beal, 83 Erie St., St. Thomas; meets 2nd and 4th Wednesdays.

Name,—Order of Railway Trainmen, Unity Lodge, No. 47. Organized April 21, 1887; total membership, 340; average earnings per week, $18 to $20; average earnings per hour, trainmen uncertain, yardmen 25c.; working hours, no regularity; wages paid monthly; no idle days; total number (union and non-union) employed at calling in locality, about 60; no difference in wages and hours between members and non-members; death benefits, $500, $1,000, $1,350; no other cash benefits; no special work for members at present; incorporated and registered. President, Orlin Masterman, 11 Maple St., St. Thomas; Corresponding Secretary, H. Sharp, 2 John St., St. Thomas; meets 1st and 3rd Mondays 2 p.m., 2nd and 4th Mondays 8 p.m.

Name,—Journeymen Tailors' Union of America, No. 141. Organized 1890; total membership, male, 19; female, 24; average earnings per week, male, $12; female, $6.50; average earnings per hour, male, 22c.; number of working hours per day, 10 to 12; average number of days idle per member during year, 60; general cause of idleness, slackness of trade; total number (union and non-union) employed at trade in locality, male, 25; female, 32; union members receive from $2 to $5 per week more than non-union; sick benefits, $5 per week for 10 weeks in year; death benefits, $25 to $100; no other cash benefits; no special work for members. President, O. Lowrey, St. Thomas; Corresponding Secretary, Wm. Abernethy, 32 Ross St., St. Thomas; meets 4th Monday in month.

Name, -Amalgamated Society of Engineers. Organized 1851; local branch, 1904; total membership, 17; average earnings per week, $16; number of working

hours first five days, 50; number on Saturday, 10; wages paid monthly; average number of days idle per member during year, 3; general cause of idleness, slackness in railway shops; total number (union and non-union) employed at trade in locality, 150; no difference in wages or hours between members and non-members; lack of employment benefit, $2.50 per week; sick benefits, $2.50 per week; death benefits, $60; superannuation, $1.75 to $3 per week; no special work for members. President, A. Morgan, 172 Centre St., St. Thomas; Corresponding Secretary, Geo. Creber, 35 Chestnut St., St. Thomas; meets October 2 and every two weeks.

Name,—Inter. Maintenance of Way Employees, No. 45. Organized October 11, 1907; total membership, 13; average earnings per week, $8.70; number of working hours first five days, 50; number on Saturday, 10; wages paid monthly; total number (union and non-union) employed at trade in locality, about 25; no difference in wages or hours between members and non-members. President, F. Monaghan, St. Thomas; Corresponding Secretary, O. Dawson, 9 Verna St., St. Thomas; meets 3rd Monday in month.

Name,—International Brotherhood of Maintenance of Way Employees, No. 291. Organized February, 1907; total membership, 19; average earnings per week, $8.70; number of working hours first five days, 50; number on Saturday, 10; wages paid monthly; no idle days; total number (union and non-union) employed at trade in locality, about 40 on M. C. R.; no difference in wages or hours between members and non-members; no cash benefits; no special work for members. President, P. Jefferson, 31 Barnes St., St. Thomas; Corresponding Secretary, R. Sutton, 9 Verna St., St. Thomas; meets 3rd Monday in month.

Name,—Cigarmakers' International Union, No. 120. Organized June 22, 1899; total membership, 8; average earnings per week, $12; number of working hours first five days, 40; number on Saturday, 4 to 6; wages paid weekly; number of days idle per member during year, about 12; general cause of idleness, stock-taking; total number (union and non-union) employed at trade in locality, 12; no difference in wages or hours between members and non-members; lack of employment benefits, $3 per week; sick benefits, $5; death benefits, $50 to $500, according to length of membership; no special work for members. President, Frank Babcock, Box 154, St. Thomas; Corresponding Secretary, Jack Pearse, 20 Regent St., St. Thomas; meets 1st and 3rd Fridays.

Name,—Amalgamated Street and Electric Railway Employees, No. 486. Organized September, 1907; total membership, 27; average earnings per week, $11; number of working hours first five days, 52; number on Saturday, 10½; wages paid fortnightly; average number of days idle per member during year, 12; general cause of idleness, sickness and holidays; total number employed at calling in locality, about 40; no difference in wages or hours of labour of those engaged at calling in locality between members and non-members of organization; cash benefits, death, $100. President, W. R. Cook, 98 Talbot St., St. Thomas; Corresponding Secretary, L. S. Fairbairn, 21 Elgin St., St. Thomas; meets Sunday once a month.

Name,—International Association of Machinists, No. 294. Organized January, 1895; total membership, 100; average earnings per week, $16; average earnings per hour, 30c.; number of working hours first five days, 45; number on Saturday, 9; cause of general idleness, public holidays; total number employed at trade in locality, 200; difference in wages or hours of labour of those engaged at trade in locality between members and non-members of organization, 4c. per hour in favour of members; organization procures employment for members; cash benefits, sickness, $3 per week; death, depends upon length of membership; evening class,

carried on by company. President, John Lane, 61 Rideau St., St. Thomas; Corresponding Secretary, John L. Stewart, 56 Rideau St., St. Thomas; meets 1st and 3rd Tuesdays in month.

Stevensville.

Name.—International Brotherhood of Maintenance of Way Employees, Bridgeburg Lodge, No. 328. Organized March 15, 1907; total membership, 12; average earnings per week, $7.90; average earnings per hour, 13½c.; number of working hours first five days, 50; number on Saturday, 10; wages paid monthly; total number (union and non-union) employed at calling in locality, 26; no difference in wages and hours between members and non-members; death benefits, insurance; no other cash benefits; no special work for members; incorporated and registered. President, Tom Carver, Stevensville; Corresponding Secretary, Benj. Winger, Stevensville; meets 3rd Saturday of month.

Sudbury.

Name.—Bartenders' International League, No. 237. Organized November 1, 1906; total membership, 13; average earnings per week, $12; average earnings per hour, 20c.; number of working hours first five days, 50; number on Saturday, 6½; wages paid weekly and monthly; number of days idle per member during year, 30; general cause of idleness, dull times in winter; total number (union and non-union) employed at calling in locality, 18; bartenders in one hotel paid $1 and $1.50 per day; sick benefits, $5 per week; death benefits, $50; no special work for members; incorporated and registered. President, Eddie Chanan, Sudbury; Corresponding Secretary, Jules Aimand, Sudbury; meets Sunday, 2.30 p.m.

Name.—Journeymen Tailors' Union of America, No. 226. Organized September, 1906; total membership, 9; average earnings per week, $15; average earnings per hour, 25c.; number of working hours first five days, 50; number on Saturday, 10; wages paid weekly and fortnightly; average number of days idle per member during year, 50; general cause of idleness, slack seasons; total number (union and non-union) employed at trade in locality, male, 9 union; females, 6 non-union; no difference in wages or hours between members and non-members; no special work for members; body registered. President, H. O. Boucher, Sudbury; Corresponding Secretary, A. J. Trevelian, Sudbury; meets 1st Monday in month.

Temagami.

Name.—Order of Railroad Telegraphers, No. 991. Organized May 9, 1907; total membership, 40; average earnings per week, $12.25; average earnings per hour, 17c.; number of working hours first five days, 60; number on Saturday, 12; wages paid weekly; no days idle; total number (union and non-union) employed at calling in locality, male, 50; female, 10; no difference in wages or hours between members and non-members; in cases of necessity assistance rendered; no special work for members; incorporated and registered. President, J. W. Aubin, Englehart; Corresponding Secretary, L. C. McBride, Temagami; meets 3rd Saturday in month.

Toronto.

Name.—Bakers' and Confectioners' International Journeymen's Union, No. 204. Organized 1878; total membership, 70; average earnings per week, $12; average per hour, 21c.; number of working hours first five nights, 45; number of work-

ing hours on Saturday, 12; wages paid weekly; total number (union and non-union) employed at trade in locality, 300; not much, if any, difference in wages or hours between members and non-members; no cash benefits; no special work for members; incorporated and registered in 1878. President, Joseph Thain, 10 Bowman St., Toronto; Corresponding Secretary, W. S. Murchie, 818 Dovercourt Road, Toronto; meets 1st and 3rd Saturdays.

Name,—Journeymen Barbers' International Union of America, No. 517. Organized February 1, 1909; total membership, 56; average earnings per week, $13; average earnings per hour, 20c.; number of working hours first five days, about 10; number on Saturday, 14; wages paid weekly; average number of days idle per member during year, 60; general cause of idleness, slack business; total number (union and non-union) employed at trade in locality, 500; difference in wages between members and non-members, about $2 per week; sick benefits, $5 per week; death benefits, from $60 to $500; no special work for members. President, W. McArthur, 213 Church St., Toronto; Corresponding Secretary, L. Worthall, 22 Waverley Road, Toronto; meets 1st and 3rd Wednesdays.

Name,—Bartenders' Union and Benefit Society, No. 280. Organized February, 1901; total membership, 210; average earnings per week, $12 to $15; average earnings per hour, 20c.; number of working hours first five days, 65; number on Saturday, 10; wages paid weekly and monthly; total number (union and non-union) employed at calling in locality, 210; no difference in wages or hours between members and non-members; sick benefits, $4 per week for 15 weeks and doctor's attendance; death benefit, $50; no other cash benefit; no special work for members; incorporated with the International of United States. President, Wm. Miles, Grand Opera Hotel, Toronto; Corresponding Secretary, A. O'Leary, Labour Temple, Toronto; meets 4th Sunday afternoon.

Name,—International Alliance of Billposters and Billers of America, No. 40. Organized April 16, 1906; total membership, 36; average earnings per week, $9; average working hours first five days, 40 to 80; number on Saturday, 16; wages paid weekly; average number of days idle per member during year, 90; general cause of idleness, theatres closing; no difference in wages or hours between members and non-members; no cash benefits; no special work for members. President, William Hogg, Deer Park; Corresponding Secretary, John Partington, Billposting Co., 1 Church St., Toronto; meets 2nd and 4th Sundays, 3 p.m.

Name,—Boilermakers' and Iron Shipbuilders' of America, No. 128. Organized June, 1885; total membership, 125; average earnings per week, $13.50; average earnings per hour, 27½c.; number of working hours first five days, 50; number on Saturday, 5; wages paid fortnightly; average number of days idle per member during year, 100; general cause of idleness, no work; total number (union and non-union) employed at trade in locality, 50; sick benefits, $3 per week; no other cash benefits; no special work for members; not incorporated or registered. President, W. Norwood, 236 Bathurst St., Toronto; Corresponding Secretary, Jas. Monaghan, 401 Montrose Ave., Toronto; meets 2nd and 4th Fridays.

Name,—International Brotherhood of Bookbinders, No. 28. Organized May 5, 1892; total membership, 290; average earnings per week, male, $16.50; female, $6.50; average earnings per hour, male, 34c.; number of working hours first five days, 43 3-4; number on Saturday, 4 1-4; wages paid weekly; number of days idle per member during year, 10; general cause of idleness, public holidays; total number (union and non-union) employed at trade in locality, 290; no difference in wages or hours between members and non-members; death benefits,

$50. President, G. A. Gore, 157 Lippincott St., Toronto; Corresponding Secretary, Chas. R. Hurst, 36 Alice St., Toronto; meets 2nd and 4th Mondays.

Name.—International Union Boot and Shoe Workers, No. 233. Organized 1899; total membership, male, 200; female, 17; average earnings per week, male, $12; female, $7; average earnings per hour, male, 25c.; female, 15c.; number of working hours first five days, 45; number on Saturday, 4; wages paid weekly; average number of days idle per member during year, 21; general cause of idleness, sampling; total number (union and non-union) employed at trade in locality, male, 350; female, 150; non-members work longer hours for less wages than members; lack of employment benefit, dues allowed; sick benefit, $5 per week for 13 weeks; death benefit, $100; no superannuation; out of work benefit, dues allowed, 25c. per week; social gatherings during winter for members; incorporated and registered. President, Harry Hancock, 1020 Bathurst St., Toronto; Corresponding Secretary, Fred. J. Crump, 620 Logan Ave., Toronto; meets every Monday.

Name.—Brass Moulders' International Union, No. 5. Organized October, 1904; total membership, 40; average earnings per week, $15; average earnings per hour, 27½c.; number of working hours first five days, 50; number on Saturday, 5; wages paid fortnightly; total number (union and non-union) employed at trade in locality, 98 per cent. union; not incorporated or registered. President, A. V. Mann, 44 Geneva Ave., Toronto; Corresponding Secretary, W. G. Cassidy, 51 O'Hara Ave., Toronto; meets 3rd Wednesday in month.

Name.—International Union of United Brewery Workmen, No. 304. Organized June, 1902; total membership, 300; average earnings per week, $12.25; average earnings per hour, 23 1-3c.; number of working hours first five days, 47½ for nine months, 45 for three months; number on Saturday, 5; wages paid weekly; total number (union and non-union) employed at trade in locality, 300. President, Joseph Rutledge, 61 Montrose Ave., Toronto; Corresponding Secretary, John D. Corcoran, Labour Temple, Toronto; meets 2nd and 4th Fridays.

Name.—International Bricklayers' Union, No. 2. Organized 1871; total membership, 889; average earnings per week, $13; average earnings per hour, 50c.; number of working hours first five days, 40; number on Saturday, 4; wages paid fortnightly; average number of idle days per member during year, 90; general cause of idleness, dulness of trade; total number (union and non-union) employed at trade in locality, 960; 10 or 15 per cent. are non-union; death benefit, $150; no other cash benefits; reading room for members; not incorporated or registered. President, David S. McCurdy, 338 Rusholme Road, Toronto; Corresponding Secretary, Wm. Smithson, 125 Withrow Avenue, Toronto; meets every Tuesday.

Name.—Bridge and Structural Iron Workers' Union, No. 4. Organized May, 1900; reorganized September, 1902; total membership, 100; average earnings per week, $12; average earnings per hour, 32½c.; number of working hours first five days, 45; number on Saturday, 5; wages paid fortnightly; total number (union and non-union) employed at trade in locality, 250; union men get 32½c. per hour, non-union 15c.; death benefits, $100; reading room for members; not incorporated or registered. President, W. McCraig, 171 Farley Ave., Toronto; Corresponding Secretary, W. B. Gracie, 213 Symington Ave., Toronto; meets 1st and 3rd Tuesdays.

Name.—Builders' Labourers' Union, No. 1. Organized Spring of 1881; total membership, 1,000; average earnings per week uncertain; average earnings per hour, 25c.; number of working hours first five days, 40; number on Staurday, 4; wages paid fortnightly; average days idle uncertain; cause, bad weather; total number (union and non-union) employed at calling in locality, 1,500; difference in

wages between members and non-members, 5 to 10c.; death benefits, $75; free reading for members during winter months; not incorporated or registered. President, G. Drover, 134 Spadina Ave., Toronto; Corresponding Secretary, E. D. Cox, 21 McMurrich St., Toronto; meets every Tuesday.

Name.—Amalgamated Society of Carpenters and Joiners, First Branch, No. 833. Organized July, 1860; total membership, 150; average earnings per week, $14.52; average earnings per hour, 33c. to 45c.; number of working hours first five days, 40; number on Saturday, 4; wages paid weekly and fortnightly; average number of days idle per member during year, 25; general cause of idleness, bad weather, money crisis or high price of lumber; total number (union or non-union) employed at trade in locality, about 2,000; difference in wages between members and non-members, 10c. to 15c. an hour, and non-members work any hours; lack of employment benefit, $48 in 12 months; sick benefit, $3 per week; funeral benefit, $60; superannuation, $8 and $7 per 4 weeks; out of work benefit, $2.50 per week; tool benefits for loss by fire, water or theft, up to $100; trade privileges, $3.75 per week; accident benefit, $500; partial, $250 and $125; reading room provided for members and pool room for friendly recreation; registered with branches all over the world. President, J. S. Ross, 8 Dupont St., Toronto; Corresponding Secretary, Arthur Barker, Bertha St., Swansea, Ont.; meets alternate Mondays from January 11, 1909.

Name.—Amalgamated Society of Carpenters and Joiners, Second Branch, No. 834. Organized 1860; total membership, 63; average earnings per week, $9.63; average earnings per hour, 27½c.; number of working hours first five days, 40; number on Saturday, 4; wages paid fortnightly; average number of days idle per member during year, 60; general cause of idleness, overstocked labour market and inclemency of weather in winter; total number (union and non-union) employed at trade in locality, 2,500; wages for union men, 33c. per hour; for non-union men, 20c up for any hours; sick benefits, $3 for 26 weeks and $1.50 for length of illness; death benefit, $60 and $25; superannuation, $2 and $1.75 per week; out of work benefit, $2.50 for 12 weeks and $1.50 for another 12; reading room for members and concerts occasionally; incorporated and registered. President, C. S. Bottomley, 252 Concord Ave., Toronto; Corresponding Secretary, David Crombie, Swansea; meets alternate Mondays from January 4.

Name.—Amalgamated Society of Carpenters and Joiners, Fourth Branch, No. 836. Organized 1866, Branch, September 29, 1902; total membership, 90; number of working hours first five days, 40; number on Saturday, 4; wages paid fortnightly; non-union men get 7c or more per hour less than union men and work 6 hours per week more; sick benefit, $3 for 26 weeks; death benefit, $60; superannuation, $1.75 and $2; out of work benefits, $2.50 for 12 weeks; no special work for members; registered in Great Britain. President, R. Woodhouse, 149 Church St., Toronto; Corresponding Secretary, A. J. Udall, 26 Howie Ave., Toronto; meets alternate Mondays from January 4.

Name.—Amalgamated Society of Carpenters and Joiners, Fifth Branch, No. 837. Organized January 8, 1907; total membership, 29; average earnings per week, $11.63; average earnings per hour, 26½c.; number of working hours first five days, 40; number on Saturday, 4; wages paid fortnightly; average number of days idle per member during the year, 60; general cause of idleness, lack of employment from small amount of building; lack of employment benefit, $2.50 per week; sick benefit, $3 per week; death benefit, $60; superannuation, $2 per week; no special work for members. President, F. C. Benedict, 47 Wallace Ave., Toronto;

Corresponding Secretary, Wm. White, 14 Bismarck Ave., Toronto; meets alternate Tuesdays from June 8.

Name,—Amalgamated Society of Carpenters and Joiners, Sixth Branch, No. 838. Organized Society 1866, Branch, April, 1907; total membership, 40; average earnings per hour, 33c.; number of working hours first five days, 40; number on Saturday, 4; wages paid fortnightly; union men get minimum 33c. per hour; non-union, from 20c. to 33c. per hour; lack of employment benefit, $2.50 for 12 weeks, $1.50 for second 12 weeks; sick benefits, $3 for 12 weeks, $1.50 for second 12 weeks; death benefit, $60; superannuation, $2 and $1.75; no special work for members; registered in Great Britain. President, F. H. Pittam, 130 DeGrassi St., Toronto; Corresponding Secretary, Walter Cooley, 89 Tiverton Ave., Toronto; meets alternate Tuesdays from January 12, 1909.

Name,—Brotherhood of Carpenters and Joiners of America, No. 27. Organized August 12, 1881; total membership, 220; average earnings per week, $14; average earnings per hour, 33c.; number of working hours first five days, 40; number on Saturday, 4; wages paid fortnightly; number of days idle per member during year, about 100; general cause of idleness, climatic conditions, assisted emigration and depression in trade; total number (union and non-union) employed at trade in locality, about 2,200; difference in wages between members and non-members, about 25 per cent.; sick benefits, according to circumstances; death benefits, $200; no other cash benefits; monthly class in trade instruction for members; not incorporated or registered. President, David Brown, 188 Lansdowne Ave., Toronto; Corresponding Secretary, Wm. Cordwell, 207 Logan Ave., Toronto; meets 2nd and 4th Fridays.

Name,—Brotherhood of Carpenters and Joiners of America, No. 1799. Organized May 1, 1882; total membership, 70; average earnings per week, $14.52; average earnings per hour, 33c.; wages paid fortnightly; average number of days idle per member during year, 30; general cause of idleness, slackness in trade; total number (union and non-union) employed at trade in locality, 500; death benefit, $200; no other cash benefits; special work for members in winter months; not incorporated or registered. President, Alex. Leithe, 9 Charles St. East, Toronto; Corresponding Secretary, Robt. Hayward, 562 Clinton St., Toronto.

Name,—Carriage and Waggon Makers, No. 85. Total membership, 220; average earnings per week, $10; average earnings per hour, 20c.; number of working hours first five days, 45; number on Saturday, 5; wages paid weekly; average number of days idle per member during year, 60; general cause of idleness, lack of work and too many at trade; total number (union and non-union) employed at trade in locality, 400; death benefits, from $50 to $200; no other cash benefits; no special work for members. President, D. Slattery, 612 Ossington Ave., Toronto; Corresponding Secretary, H. Gain, 344 Clinton St., Toronto; meets 1st and 3rd Tuesdays.

Name,—Cigarmakers' International Union, No. 27. Organized May, 1869; total membership, 388 male, 31 female; average earnings per week, male, $10; female, $10; number of working hours first five days, 10; number on Saturday, 4; wages paid weekly; average number of days idle per member during year, 60; general cause of idleness, local option and general depression; sick benefits, $5 per week; death benefits, $50 to $550; out of work benefits, $3 per week; no special work for members; incorporated and registered. President, J. McCarthy, 118 Manning Ave., Toronto; Corresponding Secretary, J. Pomhilon, Room 106, 88 Church St., Toronto; meets Monday night.

Name,—International Brotherhood of Electrical Workers (Wiremen), No. 114. Total membership, 80; number of working hours first five days, 40; number on Saturday, 4; wages paid weekly or fortnightly; non-members work same hours for less wages than members; instruction classes for members; not incorporated or registered. President, Martin Nealon, 199 Gladstone Ave., Toronto; Corresponding Secretary, Chas. T. Lacey, 360 Margueretta St., Toronto; meets 2nd and 4th Tuesdays.

Name,—International Brotherhood of Electrical Workers (Linemen), No. 353. Organized November 28, 1891; total membership, 25; average earnings per week, about $13; average earnings per hour, 22c.; number of working hours first five days, 50; number on Saturday, 10 for 7 months, 5 for 5 months; wages paid fortnightly; average number of days idle per member during year, about 10; general cause of idleness, too wet to work, but in case of sleet or windstorm have to work; total number (union and non-union) employed at trade in locality, about 200; no difference in wages or hours between members and non-members; sick benefits, $3 per week; death benefits, $100; not incorporated or registered. President, Sam. Waller, 235 Salem Ave., Toronto; Corresponding Secretary, Wm. Clayton, Toronto; meets 1st and 3rd Mondays.

Name,—Amalgamated Society of Engineers, No. 666. Organized 1857; total membership, 116; average earnings per week, $14; number of working hours first five days, 50; number on Saturday, 5; wages paid weekly and monthly; average days idle, 46; general cause of idleness, strike and general depression; lack of employment benefit, $2.50 per week; sick benefit, $2.50 per week; death benefit, $60; superannuation, $1.45 to $2.50 per week; out of work benefits, $2.50 per week; no special work for members; registered in England. President, R. Fulton, 215 Concord Ave., Toronto; Corresponding Secretary, J. M. Clements, 650 Shaw St., Toronto; meets May 31 and alternate Mondays.

Name,—International Union of Marine Engineers, No. 338. Organized April 5, 1907; total membership, 62; average earnings per week, $20; number of working hours first five days, 50; number on Saturday and Sunday, 10 each; wages paid monthly; average number of days idle per member during year, 90; general cause of idleness, navigation closed; total number (union and non-union) employed at calling in locality, 50; no cash benefits; club rooms in Labor Temple for members with latest engineering books; not incorporated or registered. President, H. Dourand, 35 Blevins Place, Toronto; Corresponding Secretary, 19 Soho St., Toronto; meets every Friday during winter.

Name,—United Garment Workers of America, No. 185, Cutters. Organized May, 1902; total membership, 85; average earnings per week, $15; number of working hours first five days, 45; number on Saturday, 4; wages paid weekly; average number of days idle per member during year, 65; general cause of idleness, general depression and over-supply of help; total number (union and non-union) employed at trade in locality, 145; difference in wages and hours between members and non-members, $3 and 3 hours. President, N. C. Gilchrist, 77 Montrose Ave., Toronto; Corresponding Secretary, H. B. Stooke, 71½ Shuter St., Toronto; meets 2nd and 4th Fridays.

Name,—Glass Bottle Blowers' Association of United States and Canada, No. 66. Total membership, 70; average earnings per week, $20; earnings per hour, piecework; number of working hours first five days, 45; number on Saturday, 9; wages paid fortnightly; average number of days idle per member during year, 80; general cause of idleness, too much traffic in junk bottles; all organized; death

benefits, $500; out of work benefits, $7 per week for married men, $5 for single. President, Chas. McNichol, 88 Beaconsfield Ave., Toronto; Corresponding Secretary, Geo. S. Lawson, 101 Sheridan Ave., Toronto; meets 2nd and 4th Saturdays.

Name,—Amalgamated Glass Workers, No. 21. Organized May, 1902; total membership, 59; number of working hours first five days, 45; number on Saturday, 5; wages paid weekly and fortnightly; total number (union and non-union) employed at trade in locality, 100; difference in wages and hours between members and non-members, none or very little; death benefits, $75; no other cash benefits; no special work for members; not incorporated or registered. President, R. J. Kennedy, 203 Bathurst St., Toronto; Corresponding Secretary, E. Morris, 65 Whitney Ave., Toronto; meets 1st and 3rd Fridays.

Name,—Canadian Granite Cutters' Union. Organized August, 1907; total membership, 29; average earnings per week, $16.50; average earnings per hour, 37½c.; number of working hours first five days, 40; number on Saturday, 4; wages paid fortnightly; average number of days idle per member during year, 9—public holidays; total number (union and non-union) employed at trade in locality, 39; 17½c. less per hour for non-members and one hour a day more; sick benefits, $25; death benefit, $200; both paid by an accident insurance company, policy being compulsory; no special work for members; incorporated and registered. President, Herb. Kaakee, 618 Givens St., Toronto; Corresponding Secretary, J. W. Ashton, 464 Wellesley St., Toronto; meets 3rd Friday in month.

Name,—International Union of Journeymen Horseshoers, No. 49. Organized 1872; total membership, 22; average earnings per week, $13.50 and $15; number of working hours first five days, 45; number on Saturday, 5; wages paid weekly; total number (union and non-union) employed at trade in locality, 80; non-members work 10 hours per day for $1 less per week; no special work for members; body incorporated. Corresponding Secretary, Chas. McIntosh, 110 Lindsey Ave., Toronto; meets 2nd and 4th Wednesdays.

Name,—Chefs, Cooks, Hotel and Restaurant Employees' International Alliance, No. 334. Organized Dec. 31, 1908; total membership, 35; wages varies; number of working hours first five days, 60; on Saturday and Sunday, 12 each; wages paid weekly and monthly; total number (union and non-union) employed at calling in locality, 200; no standard wages for members or non-members; death benefits, $50; no other cash benefits; no special work for members; body registered. President, Chas. Logan, 7 Edward St., Toronto; Corresponding Secretary, Chas. M. Perraiah, 255 Wilton Ave., Toronto; meets 2nd Monday, 8 p.m., 4th Sunday 3 p.m.

Name,—United Brotherhood of Leather Workers on Horse Goods, No. 93. Organized May, 1902; total membership, 30; average earnings per week, $9; average earnings per hour, 18c.; number of working hours first five days, 50; number on Saturday, 5, and one factory 9; wages paid fortnightly; average number of days idle per member during year, 75; general cause of idleness, dulness of trade; members get slightly higher wages than non-members; sick benefits, $5 per week; death benefits, $40 to $100; out of work benefits, stamps given to members in lieu of paying dues. President, Geo. Shipman, 139 Bathurst St., Toronto; Corresponding Secretary, Chas. Coulter, 672 Spadina Ave., Toronto; meets 1st and 3rd Tuesdays.

Name,—Lithographers' International Protective and Benefit Association, No. 12. Organized April 11, 1903; total membership, 80; average earnings per week, $18; number of working hours first five days, 47½; number on Saturday, 4½; wages paid weekly; total number (union and non-union) employed at calling in

locality, 120; sick benefits, $5 per week; death benefits, $500; all advancement in trade explained at meetings. President, A. Lennie, 391 Carlton St., Toronto; Corresponding Secretary, S. Orpen, 114 Palmerston Ave., Toronto; meets 2nd and 4th Wednesdays.

Name,—International Long-horemen's Association, No. 646. Organized Sept. 20, 1904; total membership, 30; wages paid weekly; average number of days idle per member during year, 180; general cause of illeness, weather; total number (union and non-union) employed at calling in locality, 42; no difference in wages or hours between members and non-members; no cash benefits; no special work for members; not incorporated or registered. President, P. Tracy, 16 Palmerston Ave., Toronto; Corresponding Secretary, S. Stafford, 39 Winnifred Ave., Toronto; meets 2nd Sunday at 2.30 p.m.

Name,—International Association of Machinists, No. 235. Organized Jan. 28, 1892; total membership, 400; average earnings per week, $14; average earnings per hour, 27½c.; number of working hours first five days, 45; number on Saturday, 5; wages paid weekly and fortnightly; total number (union and non-union) employed at trade in locality, about 700; non-members work an hour longer per day than members; sick benefits, $3 per week; death benefits, $50 to $200; superannuation, $500 to $1,000; strike benefits, $6 to $8 per week; mechanical questions are taken up at meetings. President, Geo. Powell, 190 Markham St., Toronto; Corresponding Secretary, Geo. E. Crossman, 48 Stewart St., Toronto; meets 2nd and 4th Wednesdays.

Name,—International Association of Machinists, No. 371. Organized Nov. 8, 1899; total membership, 80; average earnings per week, $15; average earnings per hour, 27½c.; number of working hours first five days, 50; number on Saturday, 5; wages paid fortnightly and monthly; average number of days idle per member during year, 10; general cause of illeness, depression in trade; total number, (union and non-union) employed at trade in locality, 400; difference in wages between members and non-members, 5c. to 8c. per hour, C.P.R. men, 30c. per hour; sick benefits, $3 per week; death benefits, $200; superannuation, $800 for a member in continuous good standing for 20 years at age of 68; strike benefit, $8 married men, $6 single; no special work for members; not incorporated or registered. President, John McNab, West Toronto; Corresponding Secretary, Wm. Lankin, 75 McMurray Ave., West Toronto; meets 1st and 3rd Thursdays.

Name,—International Association of Machinists, No. 689, Headlight Lodge. Total membership, 18; average earnings per week, $12; average earnings per hour 22½c.; number of working hours first five days, 50; number on Saturday, 5; wages paid fortnightly and monthly; no idle days when business is all right; total number (union and non-union) employed at trade in locality, 150; no difference in wages and hours between members and non-members; death benefits, $75; superannuation, $500 at 65 years; no special work for members; incorporated and registered. President, A. Barrett, John St., Toronto; Corresponding Secretary, Sam Bardsley, 70 Nassau St., Toronto; meets 1st and 3rd Mondays.

Name,—Maltsters' Union, I. U. of U. B. W., No. 347. Organized 1902; total membership, 90; average earnings per week, $12.50; number of working hours first five days, 50; number on Saturday, 10; wages paid weekly; only work 6 months in year; no cash benefits. President, John Seymour, 231 Manning Ave., Toronto; Corresponding Secretary, Alf. Cheeseman, 80 Greenwood Ave., Toronto; meets 2nd and 4th Thursdays.

Name,—International Marble Workers' Union, No. 12. Organized April 3, 1902; total membership, 42; average earnings per hour, 29c.; number of working hours first five days, 45; number on Saturday, 5; wages paid fortnightly; average number of days idle per member during year, 25; general cause of idleness, slackness in work; total number (union and non-union) employed at trade in locality, 52; difference in wages between members and non-members, 5c. per hour; no cash benefits; no special work for members; not incorporated or registered. President, J. A. Belleman, 289 Dupont St., Toronto; Corresponding Secretary, H. J. Slattery, 703 Markham St., Toronto; meets 1st and 3rd Thursdays.

Name,—Masters' and Mates' Union, No. 12769. Organized March 16, 1909; total membership, 18; average earnings per week, $16; average earnings per hour, 25c.; working time, 7 days per week; wages paid fortnightly; average number of days idle per member during year, 150; general cause of idleness, closed season; no difference in wages and hours between members and non-members; no cash benefits; no special work for members; incorporated and registered. President, Capt. Wm. Foster, 180 Spadina Ave., Toronto; Corresponding Secretary, Capt. J. G. Pratt, 267½ Simcoe St., Toronto; meets every Monday.

Name,—Metal Polishers', Buffers' and Platers' Union, No. 21. Organized August, 1899; total membership, 74; average earnings per week, $15; average earnings per hour, 30c.; number of working hours first five days, 45 to 50; number on Saturday, 4½ to 5; wages paid weekly and fortnightly; average days idle per member during year, 50; general cause of idleness, no work; total number (union and non-union) employed at trade in locality, 125; difference in wages about 20 per cent. in favour of members; lack of employment benefit, $1 per month dues; sick benefit, $3 per week; death benefits, $50 to $150; out of work benefits, $1 per month dues; no special work for members; not incorporated or registered. President, Jas. Spring, 100 Bellwoods Ave., Toronto; Corresponding Secretary, Walter Driscott, 467 Gerrard St., Toronto; meets 2nd and 4th Wednesdays.

Name,—Moulders' and Coremakers' International Union, No. 28. Organized July, 1859; total membership, 400; average earnings per week, $12; average earnings per hour, 32c. and 29½c.; number of working hours first five days, 45; number on Saturday, 4½; wages paid weekly and fortnightly; number of days idle per member during year, 90; general cause of idleness, slackness in trade, excessive heat and cold weather; total number (union and non-union) employed at trade in locality, 750; non-members work one hour per day longer than members; sick benefits, $5.40 per week; death benfits, $100 to $200; out of work benefits, dues paid; no special work for members; not incorporated or registered. President, Wm. Mahon, 72 Vanauley St., Toronto; Corresponding Secretary, Wm. Skimerton, 55 Hoskins Ave., West Toronto; meets 1st and 3rd Wednesdays.

Name,—Musical Protective Association, No. 149. Organized 1887; total membership, male, 550; female, 25; average earnings per week, $15 to $18 in theatres; wages paid weekly; non-members have no stated hours for engagements like members; sick benefits, $3 per week; death benefits, $50; superannuation, old age fund; no special work for members; incorporated and registered. President, J. E. Jarratt, 221 Dunn Ave., Toronto; Corresponding Secretary, Jos. Ball, 114 Augusta Ave., Toronto; meets first Sunday, 2.15 p.m.

Name,—Brotherhood of Painters, Paperhangers and Decorators of America, No. 3. Organized March 15, 1887; average earnings per week, $16; average earnings per hour, 30c.; number of working hours first five days, 40; number on Saturday, 4; wages paid weekly and fortnightly; average number of days idle

per member during year, 80; general cause of idleness, slackness of work; total number (union and non-union) employed at trade in locality, 4,000; good mechanics get the schedule wage; death benefits, $50 to $300; superannuation, $50 to $300; no other cash benefits; contingent fund for members; incorporated and registered. President, A. Wills, 77 Ossington Ave., Toronto; Corresponding Secretary, W. A. Hanna, 209 Bleecker St., Toronto; meets 2nd and 4th Tuesdays.

Name,—Brotherhood of Painters, Paperhangers and Decorators of America, No. 219. Organized March 18, 1907; total membership, 35; average earnings per week, $13.20; average earnings per hour, 30c.; number of working hours first five days, 40; number on Saturday, 4; wages paid weekly; number of days idle per member during year, 60; general cause of idleness, bad weather and influx of immigrants; total number (union and non-union) employed at trade in locality, 1,600; difference in wages between members and non-members, 10c. to 15c. per hour and non-members work longer hours to make up difference in wages; death or total disability benefits, $50 to $350; no other cash benefits at present; day reading room in Labour Temple for members of three local unions; body registered. President, J. Neale, 34½ Bellwoods Ave., Toronto; Corresponding Secretary, Wm. Stockdale, 684 Shaw St., Toronto; meets 1st and 3rd Wednesdays.

Name,—Brotherhood of Painters, Paperhangers and Decorators of America, No. 737 (Riverdale). Organized April 24, 1907; total membership, 26; average earnings per week, $13.20; average earnings per hour, 30c.; number of working hours first five days, 40; number on Saturday, 4; wages paid weekly and fortnightly; average number of days idle per member during year, 60 to 90; general cause of idleness, winter season and surplus of labour; difference in wages betwen members and non-members, 10c. to 15c.; death benefits, $50 to $250; no other cash benefits; reading room in Labor Temple for members during winter; body incorporated. President, F. C. Brent, 80 Munroe St., Toronto; Corresponding Secretary, J. G. Fitze, 15 Clark St., Toronto; meets 2nd and 4th Wednesdays.

Name,—Photo Engravers' Union, No. 35. Total membership, 28; average earnings per week, $20; number of working hours first five days, 8½; number on Saturday, 4; wages paid weekly; death benefits, $25; not incorporated or registered. President, J. Egan, 167 River St., Toronto; Corresponding Secretary, J. Robson, 330 Gladstone Ave., Toronto; meets 1st Monday.

Name,—Piano, Organ and Musical Instrument Workers' International Union of America, No. 41. Organized Dec. 3, 1902; total membership, 130; average earnings per week, $15; average earnings per hour, 30c.; number of working hours first five days, 45; number on Saturday, 5; wages paid weekly and fortnightly; average number of days idle per member during year, 60; general cause of idleness, depression in trade; total number (union and non-union) employed at trade in locality, 250; no difference in wages or hours between members and non-members; sick benefits, $5 weekly; death benefits, $50 to $300, according to length of membership; no special work for members; not incorporated or registered. President, Jos. Harding, 110 Birch Ave., Toronto; Corresponding Secretary, Geo. H. Tunstead, 8 Gibson Ave., Toronto; meets 2nd Monday.

Name,—Operative Plasterers' International Association, No. 48. Organized 1880; total membership, 215; average earnings per week, $18 to $20; average earnings per hour, 50c.; number of working hours first five days, 8; number on Saturday, 4; wages paid fortnightly; average number of days idle per member during year, 50 or 75; general cause of idleness, slackness of building and bad weather; some non-members work 9 or 10 hours; death benefits, $100 by local, $50

by International; subscription taken up for member sick more than 4 weeks; no other cash benefits; no special work for members; not incorporated or registered. President, Fred Brooks, 709 Ossington Ave., Toronto; Corresponding Secretary, W. J. Hamilton, 243 Havelock St., Toronto; meets 2nd and 4th Thursdays.

Name.—Plasterers' Labourers' Association, No. 1. Organized 1882; total membership, 250; average earnings per week, $9; average earnings per hour, 30c.; number of working hours first five days, 40; number on Saturday, 4; wages paid fortnightly; average number of days idle per member during year, 75; general cause of idleness, slackness of business and weather conditions; not much difference in wages between members and non-members; death benefits, $50; no other cash benefits; no special work for members. President, Michael Barrett, 294 Ontario St., Toronto; Corresponding Secretary, Chas. R. Collett, 330 Broadview Ave., Toronto; meets 1st and 3rd Tuesdays.

Name.—Brotherhood of Railway Carmen, Dominion Lodge, No. 511. Organized January, 1907; total membership, 60; average earnings per week, $13; average earnings per hour, 18c.; number of working hours first five days, 50; number on Saturday, 10; wages paid monthly; average number of days idle per member during year, 10; general cause of idleness, depression in trade; total number (union and non-union) employed at trade in locality, 80; no difference in wages or hours between members and non-members; no cash benefits; no special work for members. President, H. W. Winter, 48 Dundas St., Toronto; Corresponding Secretary, S. Watson, 39 Noble St., Toronto; meets 4th Thursday.

Name.—Order of Railway Conductors, No. 344. Organized Jan. 6, 1893; total membership, 32; earnings uncertain and hours according to business; wages paid monthly; days idle, uncertain; total number (union and non-union) employed at calling in locality, about 40; no difference in wages or hours between members and non-members; death and disability benefits, insurance; superannuation, relief fund; no other cash benefits; no special work for members; incorporated and registered. President, R. J. Cleverden, Osborne St., Toronto East; Corresponding Secretary, G. Prescott, 1469 Danforth Ave., Toronto; meets 2nd and 4th Mondays.

Name.—Order of Railway Conductors, No. 345. Organized 1893; total membership, 70; average earnings, passenger, $2.14 per 100 miles; freight, $3.10 per 100 miles; wages paid monthly; all employed at calling in locality are union; death benefits, insurance, $1,000 to $5,000; no other cash benefits; no special work for members; incorporated and registered. President, W. H. Hind, 141 Annette St., Toronto; Corresponding Secretary, G. A. Wood, 57 Empress Ave., Toronto; meets 2nd and 4th Sundays, 2.30 p.m.

Name.—Brotherhood of Locomotive Firemen and Engineers, East Toronto, No. 596. Organized Feb. 27, 1902; total membership, 61; average earnings per week, $15; average earnings per hour, 20c.; wages paid monthly; number of days idle per member during year, 20; general cause of idleness, slack times; total number (union and non-union) employed at trade in locality, about 75; no difference in wages and hours between members and non-members; sick benefits, $3 per week; death benefits, $250 to $2,000; superannuation, 10 per cent. of ten years; no special work for members; not incorporated or registered. President, A. J. Boyes, 72 Stephenson Ave., Toronto; Corresponding Secretary, F. A. Pinkston, 2299 Gerrard St., Toronto; meets 2nd and 4th Tuesdays, 1.30 p.m.

Name.—Brotherhood of Railroad Trainmen, No. 255, West Toronto. Total membership, 260; average earnings per month, $60 to $115; working hours uncertain; days idle uncertain; total number (union and non-union) employed at call-

ing in locality, about 350; no difference in wages between members and non-members; death benefits, $500 to $1,350; no other cash benefits; no special work for members; incorporated and registered. President, A. J. Scanlon, 113 Quebec Ave., West Toronto; Corresponding Secretary, J. H. Davison, 159 Vine Ave., West Toronto; meets Monday at 1.30 p.m., and 3rd Sunday, 2.30 p.m.

Name,—Brotherhood of Railroad Trainmen, Queen City Lodge, No. 322. Organized Nov. 10, 1889; total membership, 150; average earnings per week, $16; average earnings per hour, 22c.; working hours uncertain; wages paid monthly; days idle, uncertain; total number (union and non-union) employed at calling in locality, 250; no difference in wages and hours between members and non-members; sick benefits, dues paid; death benefits, $500 to $1,350; no other cash benefits; no special work for members; body incorporated. President, Mr. Tait, G. T. R., Bathurst St., Toronto; Corresponding Secretary, H. T. Meredith, 282 Crawford St., Toronto; meets first Sunday, at 2.30 p.m.; third Saturday, 7.30 p.m.

Name,—Amalgamated Association of Street and Electric Railway Employees, No. 113. Total membership, 1,050; average earnings per week, $12; average earnings per hour, 22c.; number of working hours first 5 days, 50; number on Saturday, 10; wages paid semi-monthly; no idle days; total number (union and non-union) employed at calling in locality, 1,200; no difference in wages and hours between members and non-members; sick benefits, $2 first week, $3 next thirteen weeks; death benefits, $100; no special work for members. President, W. Murray, 53 Perth Ave., Toronto; Corresponding Secretary, H. B. Oakley, 451 Logan Ave., Toronto; meets first Monday and third Sunday.

Name,—Sawsmiths' Union of North America, No. 10. Organized in Canada 1902; total membership, 10; average earnings per hour, 36 1-4c.; number of working hours first 5 days, 45; number on Saturday, 5; wages paid fortnightly; average number of days idle per member during year, uncertain; general cause of idleness, depression in business; no special work for members; registered in United States. President, John Moxon, 33 Beverley St., Toronto; Corresponding Secretary, T. S. Burns, 82 Wright Ave., Toronto; meets first Tuesday in month.

Name,—Sheet Metal Workers' Amalgamated International Alliance, No. 30. Organized Sept. 6, 1896; total membership, 150; average earnings per hour, 32 1-2c.; number of working hours first 5 days, 45; number on Saturday, 5; wages paid weekly; total number (union and non-union) employed at trade in locality, between 500 and 600; non-members work for 25c. an hour less; death benefits, $100; pattern drafting carried on for members. President, H. J. McMillan, 93 Esther St., Toronto; Corresponding Secretary, J. S. Chapman, 294 Margueretta St., Toronto; meets first and third Fridays.

Name,—Stereotypers' and Electrotypers' Union, No. 21. Organized March 15, 1893; total membership, 63; average earnings per week, $16.20; average earnings per hour, 35c.; number of working hours first five days, 40 for stereotypers, 45 for electrotypers; number on Saturday, 8 hours for stereotypers, 5 for electrotypers; wages paid weekly; average number of days idle per member during year, 4; general cause of idleness, sickness; total number employed at trade in locality, 63; all organized; death benefits, $100; no other cash benefits; no special work for members; not incorporated or registered. President, Ed. Young, 290 Ontario St., Toronto; Corresponding Secretary, H. Bartley, 967 Logan Ave., Toronto; meets first Thursday in month.

Name,—Journeymen Stonecutters' Association of North America. Organized March 1, 1853; total membership, 65; average earnings per week, $14; average

earnings per hour, 32c.; number of working hours first 5 days, 40; number on Saturday, 4; wages paid fortnightly; average number of days idle per member during year, 121; general cause of idleness, rain and frost; total number (union and non-union) employed at trade in locality, 105; death benefits, $100; incorporated and registered. President, Wm. Burritt, Box 282, Toronto; Corresponding Secretary, E. Shipley, Box 347, Davisville; meets second and fourth Fridays.

Name.—Bricklayers' and Masons' International Union of America, No. 26. Organized Aug. 4, 1904; total membership, 170; average earnings per week, $13; average earnings per hour, 50c.; number of working hours first 5 days, 40; number on Saturday, 4; wages paid fortnightly; average number of days idle per member during year, 80; general cause of idleness, winter weather and scarcity of work total number (union and non-union) employed at trade in locality, 200; difference in wages, 10c. per hour, in time 1 hour per day; no cash benefits; no special work for members; body registered. President, J. E. Jones, 36 Hillsboro Ave., Toronto Corresponding Secretary, J. R. Cross, 297 Gladstone Ave., Toronto; meets first and third Thursdays.

Name.—Journeymen Tailors' Union of North America, No. 132. Organized 1890; total membership, male, 220; female, 10; average earnings per week, male $13; female, $9; average earnings per hour, male, 24c.; female, 15c.; piecework wages paid weekly; average number of days idle per member during year, 50; general cause of idleness, slackness of work between seasons; total number (union and non-union) employed at trade in locality, male, 300; female, 300; non-members work for less wages and more hours; sick benefits, $5 for ten weeks; death benefits, $100 after four years' membership; no other cash benefits; lectures occasionally on trade matters for members; not incorporated or registered. President, Geo Sangster, 68 Vermont Ave., Toronto; Corresponding Secretary, Jas. Watt, Labour Temple, Church St., Toronto; meets second and fourth Mondays.

Name.—Journeymen Tailors' Union of North America, No. 156, West Toronto. Organized 1903; total membership, male, 18; female, 12; average earning per week, male, $14; female, $9; average earnings per hour, male, 24c.; female, 15c. number of working hours first 5 days, 50; number on Saturday, 9; average number of days idle per member during year, 30 or 40; general cause of idleness, slack season in February and August; total number (union and non-union) employed at trade in locality, male, 19; female, 12; no difference in wages or hours between members and non-members; sick benefits, $5 for 10 weeks; death benefits, $50; body registered. President, Frank Curts, 29 Dundas St. East, West Toronto; Corresponding Secretary, M. T. Aitchison, 25 Union St. South, West Toronto; meets first Monday in month.

Name.—Ontario Teachers' Alliance. Organized April 4, 1907. President L. E. Embree, Jarvis St. Collegiate Institute, Toronto; Corresponding Secretary Chas. G. Fraser, 10 Sylvan Ave., Toronto.

Name.—International Brotherhood of Teamsters, No. 409 (Ice). Organized May 23, 1908; total membership, 50; average earnings per week, $12; average earnings per hour, 17c.; number of working hours first 5 days, 70; number on Saturday, 15; wages paid weekly; average number of days idle per member during year, 100; general cause of idleness, slack business; total number (union and non union) employed at trade in locality, 200; no special work for members; not incorporated or registered. President, F. Johnson, 10 Percy St., Toronto; Corresponding Secretary, S. H. May, 37 Stewart St., Toronto; meets first and third Sundays afternoon.

Name,—International Brotherhood of Teamsters, No. 457 (Coal). Organized Oct. 16, 1904; total membership, 80; average earnings per week, $12 and $13; average earnings per hour, 20c. and 22c.; number of working hours first 5 days, 50, with pay for overtime; number on Saturday, 10; wages paid weekly; only idle days, holidays; total number (union and non-union) employed at calling in locality, about 400; difference in pay between members and non-members, $2 to $4 per 60 hours and overtime; no cash benefits, but in case of need help by subscriptions or concert; not incorporated or registered. President, John Nother, 287 Lippincott St., Toronto; Corresponding Secretary, H. B. Barton, 156 Victoria St., Toronto; meets first and third Sundays, 2.30 p.m.

Name,—International Brotherhood of Teamsters, No. 495 (Railway Truckmen). Organized Aug. 8, 1903; total membership, 22; average earnings per week, $10; average earnings per hour, 13¾c.; number of working hours first five days, 62½; number on Saturday, 10; wages paid fortnightly; only idle days holidays; total number (union and non-union) employed at work in locality, over 300; difference in wages and hours between members and non members, little if any; sick benefits, $40 in year; death benefits by special grant; no special work for members; not incorporated or registered. President, H. McRae, 232 Niagara St., Toronto; Corresponding Secretary, J. S. Robinson, 135 Baldwin St., Toronto; meets first Friday in month.

Name,—Team Owners' Association, No. 1. Organized 1896; total membership, 300; wages paid weekly; average number of days idle per member during year, 90; general cause of idleness, lack of work in winter; no cash benefits; no special work for members; not incorporated or registered. President, J. Madill, 680 Markham St., Toronto; Corresponding Secretary, J. Gosnell, 102 Sherbourne St., Toronto; meets first and third Thursdays.

Name,—Commercial Telegraphers' Union of America, C. P. R. System, No. 1. Organized May 1, 1909; membership extends from Port Arthur to Asbumie; number of working hours first five days, day men 9 hours, night men 8 hours; Saturday, usually extra time paid; no cash benefits; no special work for members. President, C. E. Hill, 362 Brock Ave., Toronto; Corresponding Secretary, D. Warner, 335 Carlton St., Winnipeg, Man.

Name,—Theatrical Stage Employes, No. 58. Organized 1897; total membership, 50; average earnings per week, $10; average earnings per hour, 25c.; number of working hours first five days, about 40; number on Saturday, about 8; wages paid weekly; average time idle per member during year, about June 1 to Sept. 1; general cause of idleness, theatres closed; total number (union and non-union) employed at trade in locality, 50; no difference in wages or hours between members and non-members; no cash benefits; no special work for members; not incorporated or registered. President, R. C. Newman, Shea's Theatre, Toronto; Corresponding Secretary, W. E. Meredith, 472 Dovercourt Road, Toronto; meets second Sunday in month.

Name,—Travellers' Goods and Leather Novelty Workers' Union of America, No. 5. Organized Feb., 1902; total membership, 30; average earnings per week, male, $11; female, $5; average earnings per hour, male, 21c.; female, 10c.; number of working hours first five days, male, 47½; female, 45; number on Saturday, male, 5; female, 4½; wages paid weekly and fortnightly; average number of days idle per member during year, 22; general cause of idleness, dull season and stocktaking; no difference in wages and hours between members and non-members; no cash benefits;

not incorporated or registered. President, Joseph Smith, 65 Givens St., Toronto; Corresponding Secretary, Alfred Nuen, 3 Stafford St., Toronto; meets first Thursday in month.

Name.—Typographical Union No. 91. Organized 1844; total membership, 988; average earnings per week, $17.50; average earnings per hour, 35c.; number of working hours first five days, 44; number on Saturday, 4; wages paid weekly; total number (union and non-union) employed at trade in locality, male, 1,000; female, 2; difference in wages between members and non-members, $4 to $6 per week; difference in hours, 6 to 10; sick benefits, $4 per week; death benefits, $125; superannuation, $1 per week; technical education for members, International Correspondence Department; incorporated and registered. President, Samuel Hadden, York Hotel, George and King Sts., Toronto; Corresponding Secretary, Thos. Vodden, 57 King St. W., Toronto; meets first Saturday in month.

Name.—Women's Auxiliary, No. 42, to Typographical Union, No. 91. Organized Dec. 10, 1904; total membership, female, 35; death benefits, $50. President, Mrs. Duncan McDougall, 111 Ossington Ave., Toronto; Corresponding Secretary, Mrs. Norman Williams, 883 Dovercourt Road, Toronto; meets third Monday.

Name.—International Feeders' Union, No. 1. Total membership, 17; average earnings per week, $11.25; number of working hours first five days, 43¾; number on Saturday, 4¼; wages paid weekly; average number of days idle per member during year, 30; general cause of idleness, depression; no difference in wages or hours between members and non-members; death benefits, $75; no other cash benefits; no special work for members. President, W. J. Mino, 16 Breadalbane St., Toronto Corresponding Secretary, F. Robinson, 119 Hamilton St., Toronto; meets second Monday.

Name.—Mailers' Union, No. 5. Organized Nov. 11, 1893; total membership 34; average earnings per week, $16; average earnings per hour, 33⅓c.; number of working hours per week, 48 hours day work, and 44 hours night work; wages paid weekly; days idle, 8, public holidays; non-union shops lower wages; death benefits assessment of $1 per member, and $75 by International; no other cash benefits; no special work for members; registered with International Typographical Union. President, J. G. Gallagher, 50 Beaconsfield Ave., Toronto; Corresponding Secretary, E McGarry, 41 North Markham St., Toronto; meets first Monday.

Name.—Web Pressmen's Union, No. 1. Organized 1893; total membership 39; average earnings per week, $18; average earnings per hour, 31½c.; number of working hours first five days, 40; number on Saturday, 8; wages paid weekly; all in trade union; no cash benefits; no special works for members; not incorporated or registered. President, Wm. Hall, *Truth* office, Toronto; Corresponding Secretary Wm. Hart, *Star* office, Toronto; meets third Monday.

Name.—Upholsterers' International Union of North America, No. 30. Organized 1894; total membership, 40; average earnings per week, $11; average earnings per hour, 21½c.; number of working hours first five days, 45; number on Saturday, 5; wages paid weekly; average number of days idle per member during year, 25; general cause of idleness, dull season, mid-winter and mid-summer; total number (union and non-union) employed at trade in locality, 100; difference in wages between members and non-members, 5c. per hour; no difference in hours; no cash benefits; no special work for members; not incorporated or registered. President, Geo. A. Moore, 727 Gladstone Ave., Toronto; Corresponding Secretary, F. W Prior, 370 Margueretta St., Toronto; meets second and fourth Thursdays.

Welland.

Name,—Amalgamated Society of Carpenters and Joiners, No. 843. Organized June 4, 1906; total membership, 7; average earnings per week, $14.85; average earnings per hour, 27½c.; number of working hours first five days, 45; number on Saturday, 9; wages paid weekly; average number of days idle per member during year, 75 and public holidays; general cause of idleness, severe weather; total number (union and non-union) employed at trade in locality, varies about 80; difference in wages between members and non-members, 5c.; lack of employment benefits, $2.50 per week; sick benefits, $3 per week; death benefits, $60; superannuation, $2 per week for life; tool benefit, loss by fire, water or theft; accident benefit, $500 for total incapacity, and variable according to accident; no special work for members; body registered. President, Jas. McIlrede, Post Office, Welland; Corresponding Secretary, Alf. Laing, Box 124, Welland; meets alternate Saturdays from Jan. 9.

Name,—United Brotherhood of Carpenters and Joiners of America, No. 969. Organized Jan. 17, 1902; total membership, 10; average earnings per week, $8; average earnings per hour, 20c.; work 6 days, all day when there is work; wages paid weekly; total number (union and non-union) employed at trade in locality, say 65; members get more wages than non-members; sick benefits, $3 per week; death benefits, governed by constitution; no other cash benefits; evening classes for members. President, W. Burges, Welland; Corresponding Secretary, Wm. Jackson, Welland; meets second and fourth Tuesdays.

Name,—Bricklayers' and Masons' International Union, No. 32. Organized Dec., 1908; total membership, 28; average earnings per week, $20; average earnings per hour, 45c.; number of working hours first five days, 45; number on Saturday, 9; wages paid weekly; number of days idle per member during year, 50; general cause of idleness, rain and cold during winter; total number (union and non-union) employed at trade in locality, 31; difference in wages between members and non-members, 10c. per hour; death benefits, an assessment of $100; no other cash benefits. President, Walter Edington, Welland; Corresponding Secretary, G. Scott, Welland; meets first and third Mondays.

Name,—International Moulders' Union, No. 472. Organized Nov. 1, 1907; total membership, 35 to 40; number of working hours first five days, 50; number on Saturday, 5 hours in summer months, 10 in winter; total number employed at trade in locality, 35 to 40; all union men. President, James R. Mitchell, P. O. Welland; Corresponding Secretary, Edgar Jones, Box 117, Welland; meets first and third Wednesdays in month.

Windsor.

Name,—Barbers' International Union, No. 451. Organized 1902; total membership, 27; average earnings per week, $12; number of working hours first 5 days, 60; number on Saturday, 16; wages paid weekly; days idle, public holidays; total number (union and non-union) employed at trade in locality, 32; death benefits, $60 to $500; no other cash benefits; no special work for members; body incorporated. President, Geo. Erb, Windsor; Corresponding Secretary, Edw. Adair, Windsor; meets fourth Wednesdays.

Name,—Bricklayers' and Masons' International Union, No. 6. Organized 1893; total membership, 47; average earnings per week, $26.25; average earnings per hour, 52 1-2c.; number of working hours first 5 days, 45; number on Saturday, 5; wages paid weekly; no special work for members. President, W. J. Nesbitt, 147

London St., Windsor; Corresponding Secretary, Jas. Northcott, Box 332, Walkerville; meets every Tuesday.

Name.—National Association of Marine Engineers, No. 11. Organized June 30, 1903; total membership, 25; average earnings per month, $90; number of working hours first 5 days, 60; number on Saturday, 12; wages paid monthly; average number of days idle per member during year, 75; general cause of idleness, close of navigation; total number (union and non-union) employed at trade in locality, 40; no difference in wages or hours between members and non-members; no cash benefits; no special work for members. President, Alex. McDonald, 28 Crawford Ave., Windsor; Corresponding Secretary, Neil Maitland, 221 London St. West, Windsor; meets on Thursdays in winter.

Name.—Painters, Decorators and Paperhangers of America, No. 629. Organized June, 1902; total membership, 26; average earnings per week, $13.50; average earnings per hour, 28½c.; number of working hours first five days, 40; number on Saturday, 8; wages paid weekly, and a few fortnightly; average number of days idle per member during year, 70; general cause of idleness, dull season, principally winter; total number (union and non-union) employed at trade in locality, 30; difference in wages and hours between members and non-members, union men receive $2 25 for 8 hours, non-union $1.75 and $2 for 9 hours; death benefits, $50 to $350; no other cash benefits; on winter afternoons games in Union Hall for members. President, W. Beal, 104 Twenty-first St., Detroit; Corresponding Secretary, Lewis Wilber, 39 Wellington Ave., Windsor; meets second Thursdays.

Name.—Order of Railroad Conductors, No. 494. Total membership, 42; average earnings per week, $18; wages paid monthly; total number (union and non-union) employed at calling in locality, 44; no difference in wages and hours between members and non-members; death benefits, optional insurance; superannuation, G. T. R.; no other cash benefits; no special work for members. President, Robert Whyte, 104 Victoria Ave., Windsor; Corresponding Secretary, G. Jackson, 114 Goyeau St., Windsor; meets second and fourth Sunday afternoons.

Name.—Brotherhood of Locomotive Engineers, No. 390. Organized June 9, 1892; total membership, 24; average earnings per week, $18; average earnings per hour, 30c.; wages paid monthly; total number (union and non-union) employed at calling in locality, 24; no difference in wages and hours between members and non-members; no cash benefits; no special work for members; not incorporated or registered. President, Jas. McGarrah, Assumption St., Windsor; Corresponding Secretary, David Lanspeary, 19 Louis Ave., Windsor; meets second and fourth Tuesdays.

Name.—Brotherhood of Locomotive Firemen and Engineers, No. 421. Total membership, 41; average earnings per week, $12 to $20; working hours, yard work, 12 hours; road work, according to length of run; wages paid monthly; average number of days idle per member during year, 50; general cause of idleness, slack business; no difference in wages or hours between members and non-members; death or disability benefit, amount of policy $500, $1,000 and $1,500; carries on special work for members. President, Ernest Gay, Dougal Ave., Windsor; Corresponding Secretary, John Mackett, 2 Windsor Ave., Windsor; meets every two weeks.

Name.—Brotherhood of Railroad Trainmen, No. 316. Total membership, 98; average earnings per week, $22; wages paid monthly; no idle days; total number (union and non-union) employed at calling in locality, union, 98; non-union, 25; no difference in wages and hours between members and non-members; sick benefits, $3 per week, Provident Society; death benefits, insurance; no other cash benefits;

no special work for members; not incorporated or registered. President, F. W. Marshall, 14 Lincoln Road, Walkerville; Corresponding Secretary, Chas. Weldrick, 168 Dougall Ave., Windsor.

Name,—Windsor and Walkerville Protective Association of Team Owners, No. 1. Organized Jan., 1907; total membership, 20; average earnings per hour, 45c.; number of working hours first 5 days, 45; number on Saturday, 9; wages paid weekly; total number (union and non-union) employed at calling in locality, 25; no special work for members. President, E. Pillon, Sandwich, Ont.; Corresponding Secretary, Daniel A. Tubbs, 31 Montmorency St., Windsor; meets first and third Thursdays.

Name,—Tobacco Workers' International Union, No. 71. Total membership, male, 8; female, 15; average earnings per week, male, $12; female, $5; average earnings per hour, male, 20c; female, 8 1-2c.; number of working hours first five days, 50; number on Saturday, 8; wages paid weekly; average number of days idle per member during year, 20; general cause of idleness, fever and colds caused by indoor work; sick benefits, $3 per week; death benefits, $50. President, Vallerie Hebert, Erie Tobacco Co., Windsor; Corresponding Secretary, Patrick Cada, Erie Tobacco Co., Windsor; meets on Wednesdays.

Name,—Typographical Union, No. 553. Organized Sept. 30, 1907; total membership, 14; average earnings per week, $13; average earnings per hour, 27c.; number of working hours first five days, 44; number on Saturday, 4; wages paid weekly; total number (union and non-union) employed at trade in locality, male, 15; female, 5; difference in wages and hours between members and non-members, one hour per day; death benefits, $75; superannuation, $4 per week; no other cash benefits; no special work for members; not incorporated or registered. President, W. J. Walker, 12 Pelissier St., Windsor; Corresponding Secretary, A. Selieve, 71 Sandwich St. West, Windsor; meets first and third Wednesdays.

Woodstock.

Name,—Bricklayers' and Masons' International Union, No. 22. Organized 1902; total membership, 25; average earnings per hour, 35c.; number of working hours first five days, 45; number on Saturday, 9; wages paid fortnightly; general cause of idleness, the weather; no cash benefits; no special work for members; body incorporated. President, Thos. Broder, Woodstock; Corresponding Secretary, E. Johnson, 15 Norwich Ave., Woodstock; meets second and fourth Tuesdays.

Name,—Bartenders' International Alliance, No. 344. Organized June, 1902; total membership, 8; average earnings per week, $10; number of working hours first five days, 30; number on Saturday, 11; wages paid fortnightly; no idle days; total number (union and non-union) employed at trade in locality, 8 union; 8 non-union; no difference in wages or hours between members and non-members; death benefits, $50; no other cash benefits; no special work for members. President, P. J. Farrell, Royal Hotel, Woodstock; Corresponding Secretary, M. C. Barry, Royal Hotel, Woodstock; meets first of month.

Name,—Typographical Union No. 317. Organized Oct. 7, 1902; total membership, 18; average earnings per week, $12.75; number of working hours first five days, 45; number on Saturday, 8; wages paid weekly; total number (union and non-union) employed at trade in locality, male, 30; including 9 apprentices; female, ; no difference at present in wages or hours between members and non-members; death benefit, $75; superannuation, at 60, $4 per week; no special work for mem-

bers. President, John Sharman, *Express* Printing Co., Woodstock; Corresponding Secretary, J. M. Manser, 312 Dundas St., Woodstock; meets once a month.

Name.—International Moulders' Union, No. 249. Organized Feb. 23, 1899; total membership, 22; average earnings per week, $18; average earnings per day, $2.75; number of working hours first five days, 50; number on Saturday, 10; wages paid weekly; average number of days idle per member during year, 140; general cause of idleness, shut down and Saturdays; total number (union and non-union) employed at trade in locality, 52; difference in wages, $2.75 per day union men, $1.75 to $2.25 non-union; lack of employment benefit, dues; sick benefit, $5.40 per week; death benefit, $100 to $175; no special work for members. President, James Martin, 236 Light St., Woodstock; Corresponding Secretary, Fred. Childs, Box 746, 319 Russell St., Woodstock; meets first and third Fridays.

SUGGESTIONS FROM LABOUR ORGANIZATIONS.

No. 27.—Our union would like to see sub-inspectors of factories and workshops preventing girls from working overtime, which would curtail so much overtime for men also.—Factory Act covers complaint. Secretary Labour Bureau.

No. 28.—We must say we get a great deal of good out of the Bureau of Labour reports.

No. 52.—We think that more care ought to be exercised in making enquiries as to fair wage rate for Government contracts.—The union or prevailing rate of wages in localities where Government work is done is inserted in all contracts. Secretary Labour Bureau.

No. 57.—Our union is unanimously in favour of an 8-hour day. We are also of opinion that a factory inspector should call at all the factories once a month to inspect machinery and sanitary surroundings and to see that no boys are employed on machines that are dangerous.—Factory Act covers objection. Secretary Labour Bureau.

No. 63.—All foundries should be furnished with wash rooms and places to change clothes. Some up-to-date foundries in the United States are already furnished with these.

No. 69.—Some non-union barber shops do business after 12 p.m. on Saturdays, which is strictly against the law, and an inspector should be put on the job to prevent it.—This is a municipal matter. Secretary Labour Bureau.

No. 76.—We believe that a graded certificate for stationary engineers, for which they would have to pass a proper examination, would be very beneficial.—Covered by the "Act Respecting Stationary Engineers." Secretary Labour Bureau.

No. 81.—We would like to see legislation making it possible to register union labels, similar to that in force in the United States, whose labels can be registered in each State, but in Canada this is impossible. All school books should bear the Allied Printing Trades label.—The label is protected in law, whether registered or not. Secretary Labour Bureau.

No. 82.—It would benefit our craft greatly to have the same duty charged on wooden patterns as on metal patterns. At present, as we believe, wooden patterns go free and are classed as models.—This is, of course, a Dominion matter. Secretary Labour Bureau.

No. 89.—There should be bath-rooms in factories here, as is enforced in New York under the Hughes law, and also by the State sanitary laws.

No. 97.—The railway companies should be made to pay maintenance of way employees a full day if made to turn out for duty on Sunday, instead of time and a half, as at present. Local transportation should also be granted to a greater extent than at present, so as to allow men to meet occasionally for their own improvement in this new country.

No. 105.—If you could impress on the minds of the different labour unions the benefits that would accrue from amalgamation on the lines of the Amalgamated Society of Engineers you would confer an everlasting benefit on labour.

No. 106.—We suggest that all public buildings should be built by day labour, and that where let by contract it should be made an 8-hour day.

No. 118.—Our union of Amalgamated Engineers believes in shortening the hours of labour, also in a proper system of apprenticeship, say, of five years' duration. The apprentices should be limited to one for the shop and one for every five mechanics; they should be given their credentials at end of their service, and their age should be from 16 to 23 years. All men who have not served time as apprentices should not be permitted to work at their trade until they have qualified. Our trade should be protected; if it were, the manufacturers would not be asking the question how it is they cannot get good men.—The solution of the above important questions lies within the limits of the industry requiring such beneficial regulations. Secretary Labour Bureau.

No. 119.—Owing to the hours of duty for railroad telegraphers and other employees in the train service being so long and their duties so numerous and tedious, eight consecutive hours a day is all they should be allowed to work, especially the telegraphers. If legislation were passed confining a telegrapher's hours of service to eight hours a day, and this were strictly observed, no doubt the number of serious accidents that have occurred during the past few years through employees being on duty too long would be reduced to very low minimum.

No. 139.—Shortening the hours of labour from 12 to 8 hours per day would, to our best judgment and experience, not only be a god-send to us telegraphers, but would also make travelling on railroads more secure. We have men working 84 hours per week, with no holidays whatever.

No. 146.—It would be a great deal better if the Factory Inspector had a badge on his coat while going through the shop. I have been here for five years and only saw him once.

No. 163.—Our union would like to make the suggestion that an inspector should be appointed to look after the working apparatus of all street railway cars and to see that the brakes, etc., are in proper working order. This would certainly be a good move and a beneficial one to both employer and employee.

No. 168.—We wish to suggest that licenses to tend bar should only be given to capable craftsmen so as to protect the man who makes bartending his only trade. Licenses should be refused to bartenders who are in the habit of using liquor to excess, as this would tend to protect the better class of bartenders who wish to keep their craft as a clean business.—The License Commissioner of your district is the proper authority to investigate complaints of the above nature. Secretary Labour Bureau.

No. 229.—We think the hours worked by barbers are too long, especially on Saturday, and that there should be legislation to shorten them.—To stop working

after 12 p.m. Saturday night is a municipal matter. Trades unions generally regulate wages and hours of labour. Secretary Labour Bureau.

234.—It is our opinion that all Government work should be done by day labour, with competent inspectors. In cases where it is really necessary to call for tenders, each branch should tender for its work separately, and the contract should specify the union rate of wages to be paid in whatever locality the work is being done.—The union rate of wages is inserted in all Government contracts, the rate which the locality calls for. Secretary Labour Bureau.

235.—We cannot all enjoy the benefits of technical schools, but if a wise Government would provide text books on art, sculpture, modeling in clay, etc., to be distributed among the local unions, who knows but that this "Canada of ours" might develop a Rubens or Angelo?

No. 265.—Our union would suggest that Boiler Inspectors should be appointed who are competent boiler makers, and who could go into a boiler and pick out defective spots and pass on the construction of all boilers in the shops.—Government inspector is appointed; also insurance inspectors. Secretary Labour Bureau.

No. 283.—As the Government of the Province is now in the electric power business, and there are at present so many men in this Province handling electric wires, etc., who really do not know what they are doing, we think that in view of the great danger to life and property, every man doing such work should have to pass a Government or municipal examination, and the sooner there is a law to that effect the better for the public safety.

No. 286.—We are trying for legislation to compel all Board of Trade engineers to stand a Canadian examination, as this country is being overrun with so-called engineers, many of whom cannot "make good" on our boats.—Provided for in the "Act Respecting Stationary Engineers, 1909." Secretary Labour Bureau.

No. 301.—Our union would call attention to the insufficient blower system for the protection of the metal polishers in some shops, which are in a disgraceful condition in this respect.—Provided for in Factories Act. Secretary Labour Bureau.

No. 307.—Our union would make the following suggestions: 1st. That competent union mechanics should be appointed as inspectors on Government work of painting, etc., to see that contractors comply with the specification *re* fair wages and materials. 2nd. That local Boards of Health be empowered to compel the stripping of wall paper or other material on walls and ceilings of all rooms where there has been sickness of any kind, affixing a stamp on a prominent place on such walls so that no painter or paperhanger should cover the same under penalty. 3rd. To stop assessors raising the taxes on a building because the owner has spent a few dollars to beautify and preserve his property, for it is not the cost of the painting, but the perpetual tax which deters many, as may be seen by the mean appearance of fifty per cent. of the buildings in this city.—1st and 2nd covered by statutes; 3rd belongs to municipalities. Secretary Labour Bureau.

No. 312.—We beg to offer the following suggestions: 1st. That there should be a strict observance of the Lord's Day in railway coach yards, where a lot of unnecessary work is being done on that day. 2nd. That the monthly pay system should be abolished, and that wages should be paid every two weeks. 3rd. That there should be a strict enforcement of the alien labour law.—1st rests with municipalities. 3rd. Alien Labour Law is a Dominion Act. Secretary Labour Bureau.

No. 314.—Our union is of opinion that there are too many complicated rules for railway men to remember.

No. 317.—We are looking for the day when old age pensions will be granted to all over certain age, say 65 years.

No. 323.—It should be stipulated that the prevailing rate of wages be paid on all Government works and that union hours prevail, and that this shall be mentioned in a stated article in all schedules for Government works.—This is provided for in all contracts of the Ontario Government. Secretary Labour Bureau.

No. 324.—Our union believes that a more thorough inspection of homes where clothing is made up would be of benefit to the public health.—Provided for in Factories Act. Secretary Labour Bureau.

No. 333.—We think the hours of work are too long, especially for females.

No. 358.—We suggest that sanitary conditions and ventilation should be improved in foundries, and would respectfully request that this be urged on employers through your Bureau; also that there should be wash rooms and drying rooms for clothes. Sanitation and ventilation provided for in Factory Act. Secretary Labour Bureau.

DIRECTORY OF LABOUR ORGANIZATIONS IN ONTARIO.

Name of Organization.	Name of President.	President's Address.	Name of Secretary.	Secretary's Address.	Nights of Meeting.
Alliston:					
International Brotherhood of Maintenance of Way Employees, No. 217	John Tilford	Alliston	J. W. Bone	Palgrave	1st Monday.
Allandale:					
Brotherhood of Locomotive Firemen and Engineers, No. 442	Mercer Marlin	Allendale	H. Hodson	Allandale	2nd Sunday, 2.30 p.m. 4th Wednesday, 7.30 p.m.
Aurora:					
American Federation of Musicians, No. 335	Fred. D. Waite	Aurora	John E. Querrie	Aurora	1st Monday.
Barrie:					
United Brotherhood of Carpenters and Joiners of America, No. 1749	Edw. Blain	Barrie	Jas. Elliott	Barrie	1st Tuesday.
Belleville:					
Bricklayers', Masons' & Plasterers' International Union No. 30	Jas. Boyle	City Office, Belleville	Jos. Bradden	Station Office, Belleville	1st and 3rd Mondays.
Brotherhood of Locomotive Engineers, No. 189	T. Marshall	Belleville Station P. O.	H. Lawes	Box 34 Belleville Station	1st and 3rd Sundays.
Brotherhood of Locomotive Firemen and Engineers, No. 66	G. Brown	Belleville Station P. O.	Robt. A. Acton	Belleville Station P. O.	2nd and 4th Sundays.
Berlin:					
Boot and Shoe Workers' Union, No. 206	Louis B. Albrecht	102 King St., Berlin	Herman W. Oberer	130 Louisa St., Berlin	2nd and 4th Fridays.
Bricklayers' and Plasterers' International Union No. 12.	John Hebel	Benton St., Berlin	Arthur P. Plummer	108 Weber St., Berlin	1st and 3rd Fridays.
Canadian Association of Stationary Engineers, No. 9	W. Gastmeyer	Bridgeport	C. Emmrich	186 Victoria St., Berlin	2nd and 4th Wednesdays
Cigar Makers' International Union, No. 422	Leo Sobisch	Waterloo	Steve Wetheuser	150 E King St., Berlin	1st, 3rd and 4th Mondays, 5 p.m., 2nd Wednesday, 8 p.m.
Federal Labour Union, No. 17 (Corporation Labour)	F. Ackerknecht	Berlin	Otto H. Zimmer	Berlin	1st and 3rd Thursdays.
United Brotherhood of Carpenters and Joiners, No. 553	R. F. Goften	177 Joseph St., Berlin	S. Jacobs	106 Wellington St.	1st & 3rd Fridays.

Union, No. 42	A. R. Nichol	Waterloo	A. R. Lee	110 Weber St., W. Berlin	1st and 3rd Mondays.
Builders' Labourers' Union, No. 160	Wm. Wahl	54 Samuel St., Berlin	Geo. Hofmann	58 Homewood Av., Berlin	1st and 3rd Wednesdays.
Musicians' Protective Association	E. C. Schultz	26 Brubacher St., Berlin	G. A. Albrecht	149 Wellington St., Berlin	1st Thursday, 2nd month
Journeymen Tailors' Union of America, No. 264	Otto Stauch	85 St. George St., Berlin	Anna Wuerst	104 College St., Berlin	1st Tuesday.
Printing Pressmen and Assistants' Union, No. 135	V. L. Cober	18 Kaiser St., Berlin	W. H. Thomas	176 Benton St., Berlin	2nd Monday.
Brantford:					
Amalgamated Society of Carpenters and Joiners, No. 808	W. S. Jago	111 Spring St., Brantf'd	Jas. C. Coles	150 Wellington St., Brantford	Alternate Mondays.
Journeymen Barbers' International Union of America, No. 298	Jas. Rice	9 George St., Brantford	A. R. Morgan	424 Market St., Brantford	Last Monday.
International Association of Machinists, No. 564	Thos. Kirkby	Queen St., Brantford	Joe P. Hawkins	98 Albion St., Brantford	1st and 3rd Mondays.
Operative Plasterers' International Association, No. 164	Henry Woods	Port St., Brantford	Alfred D. Bennett	Gen. Delivery, Brantford	Alternate Thursdays.
International Moulders' Union, No. 29	Herbert Yogal	Park Ave., Brantford	Doleman Crowley	47 Colborne St., Brantford	Alternate Mondays.
Cigarmakers' International Union, No. 59	W. J. Springle	Box 165, Brantford	F. Mather	75 Greenwich St., Brantford	3rd Tuesday.
Bricklayers' and Masons' International Union, No. 9	Thos Cooper	Brantford	W. J. Kerr	9 Henrietta St., Brantford	Fortnightly.
Bartenders' International League, No. 182	Albert Hawarth	Vendome Hotel, Brant'd	Thos. McCusker	Bodega Tavern, Brantford	Last Sunday.
Journeymen Tailors' Union of America, No. 117	Frank Reed	41 Port St., Brantford	R. J. Campbell	Brantford	4th Tuesday.
Bridgeburg:					
Brotherhood of Railway Carmen, No. 10			A. Merryweather	Bridgeburg	
Brockville:					
Journeymen Barbers' International Union of America, No. 387	Anson Carr	Brockville	F. J. Clutterbuck	Box 629, Brockville	Last Monday.
Order of Railway Conductors, No. 366	Jas. Splun	William St., Brockville	R. McConachie	Box 533, Brockville	1st Monday, 2 p.m.
United Brotherhood of Carpenters and Joiners of America, No. 799	F. W Clow	King St. W., Brockville	W. E. Brown	Box 396, Brockville	Every Thursday.
Journeymen Tailors' International Union, No. 262	Chas. A. Cato	Brockville	David Muirhead	Box 40, Brockville	2nd Monday.

DIRECTORY OF LABOUR ORGANIZATIONS IN ONTARIO.—*Continued.*

Name of Organization.	Name of President.	President's Address.	Name of Secretary.	Secretary's Address.	Nights of Meetings.
Brockville—*Continued.*					
Brotherhood of Locomotive Engineers, No. 118	E. Mortimer	Brockville	R. Wardrop	Box 666, Brockville	1st Sunday, last Wednesday.
Brotherhood of Locomotive Firemen and Engineers, No. 69	A. W. Dales	Brockville	R. H. Weir	Brockville	Thursday, 1.30 p.m.
Chapleau:					
Brotherhood of Locomotive Engineers, No. 319	J. A. Rothwell	Chapleau	J. D. McAdam	Chapleau	Monday.
Brotherhood of Locomotive Firemen and Engineers, No. 321	H. A. Pepper	Chapleau	Geo. McCord	Box 79, Chapleau	Every Wednesday aft'n.
Chatham:					
Canadian Association of Stationary Engineers, No. 21	Chas. Kelly	83 Adelaide S., Chatham	W. A. Crockett	Mount Hamilton	
Collingwood:					
Bricklayers' and Masons' International Union, No. 19	Edwin Chamberlain.	Collingwood	Willis Court	Box 797, Collingwood	1st and 3rd Wednesdays.
International Longshoremen's Association, No. 476	John Potts	Collingwood	Ernest Johnston.	Collingwood	1st and 3rd Thursdays.
Cornwall:					
Journeymen Tailors' Union of America, No. 355	Tancrede Balbec.	Cornwall	Jean B. Ouillette.	Box 414, Cornwall	1st Monday.
Dundas:					
United Garment Workers of America, No. 30	J. A. Ward	Dundas	Wm. Chassels	King St. E., Dundas	1st and 3rd Tuesdays.
International Moulders' Union, No. 269	Albert Boyle	Dundas	Wm. Watts	Box 315, Dundas	3rd Monday.
Essex:					
International Brotherhood of Maintenance of Way Employees, No. 812	A. B. Lowe		P. Diltz	Box 322, Essex	2nd and 4th Saturdays.
Finch:					
International Brotherhood of Maintenance of Way Em-					

Un. Bro. of Carps. & Joiners.	Jas. Wallace.....	Fort Frances	A. E. Blows.....	Fort Frances	1st and 3rd Mondays.
Fort William:					
International Brotherhood of Maintenance of Way Employees, No. 128	A. H. Armstrong.	126 Frederica St., Ft. William.	A. Rowe.....	114 N. Harold St., Fort William	4th Saturday.
Boiler Makers and Assistants of America, No. 505.....	Wm. Morris.....	117 Cameron St., Ft. William	G. E. Thompson..	121 Cameron St., Fort William	1st and 3rd Mondays.
International Moulders' Union, No. 429	C. H. Spiers.....	c-o Copps Foundry, Ft. William	F. Christianson...	480 Francis St., Fort William	4th Saturday.
International Brotherhood of Locomotive Engineers	W. Blannerhassett	119 Brodie St., Ft. William	H. Mills.....	433 McKenzie St., Fort William	2nd and 4th Tuesdays.
International Longshoremen's Association, No. 746 (Coal Handlers)	A. Gran.....	Ogden Hotel, Fort William	W. G. Sheridan...	643 McTavish St., Fort William	1st and 3rd Thursdays.
Fort William Typographical Union, No. 417	David Ross.....	Times Journal Office, Ft. William	Geo. R. Wallace..	Box 396, Fort William.	1st Saturday.
Amalgamated Society of Carpenters and Joiners, No. 813.	S. Wilson.....	98 Ontario St., Port Arthur	H. Blackburn.....	350 N. Marks St., Ft. William	2nd and 4th Mondays.
International Longshoremen's Association, No. 479, Grain Trimmers, Fort William and Port Arthur	Robt. McCollum..	Fort William	W. Houston.....	215 S. Brodie St., Ft. William	Call of Pres.
Galt:					
International Moulders' Union of North America, No. 447.	A. Henderson ...	Galt	David Melvin.....	Box 356, Galt	1st and 3rd Thursdays.
American Federation of Musicians, No. 124, Galt Kiltie Band	W. Ewart.....	Galt	T. G. Ruppel.....	Walnut St., Galt	1st Tuesday.
Pattern Makers' League of North America	Jas. Fraser.....	Galt	Jas. McMorran ..	Galt	1st and 3rd Mondays.
Guelph:					
Piano, Organ, &c., Workers, No. 34	Alec. G. Cross...	Nottingham St., Guelph	F. T. Howard.....	18 Berlin St., Guelph..	1st and 3rd Thursdays.
Guelph Typographical Union No. 391	A. E. Humphries.	Box 574, Guelph.....	John Jones.....	Forest St., Guelph	2nd Monday.
Journeymen Stonecutters of America, No. 7.....	Jas. Railey.....	Guelph	B. Hagan.....	Guelph	1st and 3rd Thursdays.
Bricklayers' and Masons' International Union, No. 3...	John Bennalick..	Heaven Ave., Guelph..	John Gould.....	107 Alma St., Guelph...	2nd and 4th Thursdays.
Journeymen Tailors' Union of America, No. 297.....	Chas. Smith.....	c-o J. A. Scott, Guelph..	Miss Teenie Astell	130 Oxford St., Guelph.	1st Monday.

DIRECTORY OF LABOUR ORGANIZATIONS IN ONTARIO.—*Continued.*

Name of Organization.	Name of President.	President's Address.	Name of Secretary.	Secretary's Address.	Nights of Meeting.
Brussel Carpet Weavers' Union No. 277	Wm. Collville	Elizabeth St., Guelph	Thos. Hall	17 Hooper St., Guelph	3rd Monday.
International Moulders' Union No. 212	Wm. Gordon	Edinburg Road, Guelph	J. R. Thatcher	47 Inkerman St., Guelph	1st and 3rd Fridays.
Bartenders' International League, No. 104	Phil. Heanell	Queen's Hotel, Guelph.	Robt. McCaw	Victoria Hotel, Guelph.	1st Friday afternoon.
Tapestry Carpet Weavers' Union, No. 585	Allan MacDonald.	Surrey St., Guelph	F. Drahorzal	39 Bay St., Guelph	2nd Wednesday.
Hamilton:					
Amalgamated Society of Carpenters and Joiners, No. 817	P. Gemmell	100 Bay St. N., Hamilton	F. H. Smith	73 Catharine St. N., Hamilton	Alternate Mondays.
Amalgamated Society of Engineers	Sam Clarke	37 Francis St., Hamilton	R. C. Paterson	187 Napier St., Hamilton	Alternate Fridays.
International Brotherhood of Bookbinders, No. 114	John Glockling	125 Victoria Av. N., Hamilton	W. E. Monk	120 Lock St. N., Hamilton	4th Wednesday.
Journeymen Barbers' International Union, No. 131	Wm. McOaid	111 James St. N., Hamilton	H. J. Halford	59 John St. S., Hamilton	1st and 3rd Mondays.
Brotherhood of Painters and Decorators of America, No. 205	Frank Dwyer	84 Murray St. E., Hamilton	A. J. Somerville	105 Lock St. S., Hamilton	1st and 3rd Mondays.
International Union of Brewery Workers, No. 312	Jas. White	12 Napier St., Hamilton	Valentine Thedoff.	Spring Brewery, Hamilton	2nd and 4th Tuesdays.
United Brotherhood of Carpenters and Joiners of America, No. 18	W. J. Frid	25 Nelson St., Hamilton	Jas. Calvert	45 Tom St., Hamilton	1st and 3rd Tuesdays.
Custom Tailors Union	Harry Hoft	Lock St. N., Hamilton	Thos. Monogue	Mountain Tp, E. End, Hamilton	Last Monday.
Cigar Makers International Union, No. 55	C. J. Meadow	Tuckett Cigar Co., Hamilton	F. Hough	170 Duke St., Hamilton	2nd Tuesday.
Federated Labour Union, No. 11, City Firemen	John Smith	Colbourne St., Hamilton	Robt. Aitchison	206 McNab St. N., Hamilton	1st Monday.
Canadian Association of Stationary Engineers, No. 2	Geo. W. Dawson.	158 Young St., Hamilton	C. A. Leckie	74 William St., Hamilton	2nd and 4th Thursdays.
Musicians' Protective Association	A. J. Milligan	81 Picton St. E., Hamilton	Jos. Gimblett	112 Caroline St. N., Hamilton	2nd Sunday afternoon.
International Union of Wood, Wire, &c., Lathers, No. 145.	Frank Blakely	38 Aichman Av., Ham.	Jas. Gilchrist	100 Merrick St., Hamilton	1st and 3rd Wednesdays.

No. 27	Jas J. McMahon.	198 Gibson Av., Hamilton	A. Cameron	297 York St., Hamilton	1st and 3rd Sundays, 2.30 p.m.
Tobacco Workers' International Union, No. 48	Geo. Harris	29 Reginald St., Hamilton	Wm. Kershaw	44½ Greig St., Hamilton	2nd and 4th Mondays.
Printing Pressmen's and Assistants' Union, No. 176	N. R. Berry	43 N. Queen St., Hamilton	A. R. White	299 N. John St., Hamilton	4th Friday.
Patternmakers' League of N. A.	John Harrower	42 St. Matthews Av., Hamilton	Jas. Anderson	136 Cannon St. E., Hamilton	1st and 3rd Thursdays.
Boot and Shoe Workers' Union, No. 228	Jos. Gimblett	Cor. Cannon & Caroline Sts., Hamilton	H. A. Harrison	43 Melbourne St., Hamilton	3rd Tuesday.
Boot and Shoe Workers' Union, No. 232, Cutters	L. G. Lee	147 James St. N., Hamilton	J. Jarvis	West Main St., Hamilton	4th Friday.
Boot and Shoe Workers' Union, No. 234, Female	Miss Lizzie Henshaw	13 Aikman Av., Hamilton	Ethel Copeland	132 Markland St., Hamilton	4th Thursday.
Boot and Shoe Workers' Union, No. 444	T. A. Best	281 Hunter St. W., Hamilton	Robt. Hawers	366 Bay St. N., Hamilton	1st Friday.
Amalgamated Association of Street and Electric Railway Employees, No. 107	Geo. Armstrong	308 Hughson St. N., Hamilton	J. T. Burrows	84 Lock St. N., Hamilton	1st and 3rd Saturdays.
Brotherhood of Locomotive Engineers, No. 133	Warren S. Stone.	Cleveland	A. O. Griffith	81 Murray St. E., Hamilton	2nd and 4th Sundays.
International Moulders' and Coremakers' Union, No. 26.	Chris. Newman	Hamilton	Jas. W. Ripley	159 Mary St., Hamilton	Every Wednesday.
Hamilton Typographical Union No. 129	Jas. T. Bonner	Herald Office, Hamilton	John J. Burns	115 Murray St. E., Hamilton	2nd Wednesday.
Bakery and Confectionery Workers' Int. Union, No. 79	Jas. Weir	Ray St. N., Hamilton	John Lyle	116 West Av. N., Hamilton	1st and 3rd Saturdays.
Broom and Whisk Makers' International Union, No. 9.	Jas. Petfield	775 East Hunter St., Hamilton	W. H. McAdam	118 North Bay S., Hamilton	2nd Monday.
Ingersoll:					
International Brotherhood of Maintenance of Way Employees, No. 503	J. D. Young	Ingersoll	D. McCord	Belmont	No regular night.
United Brotherhood of Carpenters and Joiners	A. Reader	Ingersoll	G. J. L. Langford.	Ingersoll	3rd Tuesday.
Jack Fish:					
International Brotherhood of Maintenance of Way Employees No.	J. Lerwill	Heron Bay	A. Bianconi	Jack Fish	Last Saturday.
Kenora:					
International Brotherhood of Maintenance of Way Employees	Jas. W. Wilson	Box 143, Kenora	Alex. J. Selwyn	Box 196, Kenora	2nd Sunday.

DIRECTORY OF LABOUR ORGANIZATIONS IN ONTARIO.—*Continued.*

Name of Organization.	Name of President.	President's Address.	Name of Secretary.	Secretary's Address.	Nights of Meetings.
Kingston:					
International Builders' Labourers' Union of America, No. 66	Chas. Andre	Patrick St., Kingston	John Goodridge	492 Princess St., Kingston	1st and 3rd Wednesdays.
International Longshoremen's Association, No. 561, Marine Firemen, Oilers, etc.	Frank Gallagher	229 Wellington St., Kingston.	Geo. W. Jenkins.	131 Montreal St., Kingston	Every Friday in winter.
Lake Seamen's Union	Elected at Meeting		Thos. H. Fleming	Box 96, Kingston	Every Monday.
United Brotherhood of Carpenters and Joiners, No. 249	T. Burk	Johnston St., Kingston	W. H. Hubble	25 Quebec St., Kingston	2nd and 4th Mondays.
Journeymen's Tailors' Union, of America, No. 263	Robt. Alexander.	451 Albert St., Kingston	Jos. Sauve	101 Queen St., Kingston	1st and 3rd Mondays.
International Longshoremen's Association No. 229	Jas. A. O'Neil	276 Sydenham St., Kingston	Wm. Mullen	42 Ordance St., Kingston	2nd and 4th Wednesdays
Brotherhoou of Painters and Decorators of America No. 114	Wm. G. Veale	Nelson St. N., Kingston	Geo. B. Coward	286 Albert St., Kingston	1st and 3rd Mondays.
Amalgamated Society of Engineers No. 659	Henry Stewart	391 Barrie St., Kingston	John Lovick	152 Gordon St., Kingston	Alternate Wednesdays.
Bricklayers' and Masons' International Union No. 10	Thos. Clugston	Brock St., Kingston	W. H. Townshead	281 Victoria St., Kingston	2nd and 4th Tuesdays
Journeymen Barbers' International Union No. 514	Geo. Lewis	346 Princess St., Kingston	W. J. Lemmon	377 King St., Kingston	
Amalgamated Sheet Metal Workers' International Alliance No. 117	Edward Ade	11 Beacon St., Kingston	Wm. G. Hamilton	302 Collingwood St., Kingston	2nd and 4th Thursdays.
Typographical Union No. 204	Jas. C. Bennett	c-o The Jackson Press, Kingston	S. A. Salabury	Barriefield P. O.	1st Tuesday.
National Association Marine Engineers No. 4	J. W. Hazlett	R. M. College, Kingston	Jas. Gillies	97 Clergy St. West, Kingston	Monday evening.
Lindsay:					
Brotherhood of Locomotive Engineers No. 174	Geo. Mersey	Box 205, Lindsay	T. Wilkinson	Box 205, Lindsay	2nd and 4th Sundays. 2.30 p.m.
London:					
American Federation of Musicians	A. W. Slatter	732 Dundas St., London	C. N. Perrin	352 Adelaide St., London	4th Sunday.
United Brotherhood of Carpenters and Joiners of America No. 1946	A. Irwin	139 Bathurst St., London	C. H. Effinger	12 Askin St., London	2nd and 4th Wednesdays

Bricklayers' and Masons' International Union, No. 5	Wm. Caulman, Sr	146 Fullerton St., London	S. H. Foxworthy	391 Oxford St., London	2nd and 4th Wednesdays
Brotherhood of Railway Trainmen, No. 415	Peter Kelliher	51 Palace St., London	W. H. Nichol	896 Princess Av., London	Semi-monthly.
International Brotherhood of Maintenance of Way Employees, No. 195	Wm. Stevenson	12 Alfred St., London	H. Campbell	10 Thornton Av., London	Last Saturday.
International Brotherhood of Electrical Workers, No. 120	J. J. Read	Springfield, Ill.	C. W. Alfred	22 Walnut St., London	2nd Tuesday.
Amalgamated Society of Engineers	Alex. McDonald	867 Waterloo St., London	Geo. H. Scollick	583 Grey St., London	Every Friday.
Order of Railway Telegraphers, No. 1, G.T.R. Div.	J. A. Bell	Callander, Ont.	D. L. Shaw	769 King St., London	Call of President.
Amalgamated Society of Carpenters and Joiners No. 818	F. J. Burt	715 Central Av., London	John Tanton	379 Waterloo St., [don Lon-	Alternate Wednesdays.
Federated Labour Union, No. 5	W. Cole	100 Cortwright Road, London	J. T. Marks	425 Grey St., London	
Brotherhood of Locomotive Firemen and Engineers, No. 117	D. J. Henderson	611 Richmond St., London	C. E. Smith	375 Glebe St., London	1st Wednesday, 8 p.m., 3rd Sunday, 2.30 p.m.
United Association of Plumbers, Gas Fitters, etc., No. 289	Thos. J. Crook	260 Egerton St., London	G. F. Avey	189 Waterloo St., London	1st and 3rd Tuesdays.
Metal Polishers, Buffers, Platers, etc., Union of North America, No. 32	Geo. Bonsfell	London Junction P. O.	Wm. N. Patrick	905 Dufferin Av., London	2nd and 4th Fridays.
Journeymen Stonecutters' Association of North America	Jabez Mason	London	Hugh Boyd	875 Adelaide St., London	1st and 3rd Fridays.
Federated Association Letter Carriers	Pence Flaherty	London	W. M. Empey	London	1st Tuesday.
Bartenders' International League, No. 137	Geo. Parker	Tecumseh House, [don Lon-	H. G. Edsall	58 Colborne St., [don Lon-	2nd and 4th Sundays.
Cigar Makers' Union, No. 278	Jos. Kelly	146 Ann St., London	W. Heslop	93 Albion St., London	1st and 3rd Fridays.
Amalgamated Sheet Metal Workers International Alliance No. 206	Wm. Hodgins	373 Queens Ave., London	F. L. Ritter	4 York St., London	3rd Friday
Printing Pressmen and Assistants' Union, No. 173	Geo. Flory	Grosvenor St., London	A. G. Watson	467 Simcoe St., London	1st Saturday.
Building Labourers' International Union, No. 268	Wm. Burleigh	206 Adelaide St., London	I. Sculthorpe	32 Napier St., London West	
International Moulders' Union, No. 37	Edw. Wm. Moore	London	Fred C. Durden	180 Hamilton Road, London	1st and 3rd Tuesday
London Typographical Union, No. 133	Jas. Drennan	93 Maitland St., London	W. O. Ruse	14 Walnut St. W., London	1st Saturday.

DIRECTORY OF LABOUR ORGANIZATIONS IN ONTARIO.—*Continued.*

Name of Organization.	Name of President.	President's Address.	Name of Secretary.	Secretary's Address.	Nights of Meeting.
London—*Continued.*					
International Alliance Theatrical Stage Employees	S. Loughrey	37 Beecher St., London	H. A. Holden	347 Horton St., London	1st and 3rd Sundays.
Brotherhood of Locomotive Firemen and Engineers, No. 468	Jas. J. Davis	521 Pall Mall, London	Chas. Phipps	593 Princess Ave., London	2nd and 4th Sundays, 2 p.m.
Journeymen Barbers' International Union, No. 366	J. J. White	No. 2 Masonic Temple, London	J. E. Secker	713 Richmond St., London	4th Monday.
Mimico:					
Brotherhood of Locomotive Firemen and Engineers, No. 756	Thos. Hueston	71 Sullivan St., Toronto	F. J. Hughes	Mimico P. O.	
Niagara Falls:					
Bricklayers' and Masons' International Union, No. 27	Wm. Chown	Niagara Falls	Fred Hague	Niagara Falls	1st and 3rd Thursdays.
Order of Railway Telegraphers, No. 16	J. C. Culkins	Albion, Mich.	J. H. Staley	Falls View P. O.	3rd Monday.
Journeymen Stonecutters of North America	Ed. Gasnell	Niagara Falls	Ch. W. Anderson	44 Benson St., Niagara Falls	2nd and 4th Wednesdays
Amalgamated Society of Carpenters and Joiners	Wm. Bromhall	Niagara Falls, South	John Grassie	Niagara Falls Centre	Alternate Fridays.
North Bay:					
Order of Railway Conductors, No. 242	Jos. Falby	North Bay	W. Aubry	North Bay	2nd and 4th Mondays, 2 p.m.
Brotherhood of Railway Carmen of America, No. 192	F. Guy	North Bay	H. G. Wright	Box 487, North Bay	2nd and 4th Mondays, 2 p.m.
International Brotherhood of Maintenance of Way Employees, No. 244	A. B. Lowe	St. Louis, Mo.	D. C. Wilson	Mattawa	Last Saturday in qu'r.
Oil City:					
International Brotherhood of Maintenance of Way Employees	W. H. May	Oil City	B. McIlwain	Oil City	
Oshawa:					
International Moulders' Union, No. 136	Thos. Knox	Oshawa	R. H. Rogan	Box 144, Oshawa	3rd Thursday.
Pattern Makers' League of North America	Norman Stewart.	South Oshawa	Percy Arnold	South Oshawa	1st and 3rd Thursdays.

Ottawa?

Brotherhood of Railway Trainmen, No. 185	John Maloney....	138 Nicholas St., Ottawa	H. H. Brown.....	539 Lyon St., Ottawa...	Alternate Sundays, 2 p.m.
Amalgamated Sheet Metal Workers, No. 47	David Irvine....	104 Third Av., Glebe, Ottawa	I. B. Sauve.....	675 Cooper St., Ottawa..	1st and 3rd Wednesdays
International Moulders' Union, No. 280	Geo. Brackenbury	Lloyd St., Ottawa	J. Edgar Bedard..	160 Alma St., Hull, P.Q.	2nd and 4th Fridays.
National Hotel and Restaurant Employees of Canada, No. 1.	Henry Govette...	Nicholas St., Ottawa..	Henry Curling...	32 Raymond St., Ottawa	Wednesday.
International Typographical Union, No. 102	Michael Powell..	283 Kent St., Ottawa..	W. C. Mitzger....	Box 491, Ottawa.....	1st Saturday.
Commercial Union, No. 1	W. A. Brown....	Ottawa	A. Leclerc.....	277 Clarence St., Ottawa	2nd Monday.
Order of Railway Conductors, No. 29	D. W. Brown....	31 Florence St., Ottawa	J. B. Morris.....	305 Bronson Av., Ottawa	2nd and 4th Sundays, 2 p.m.
International Alliance of Theatrical Stage Employees, No. 95	J. Thibault	Grand Opera House, Ottawa	H. G. Haig.....	358 Albert St., Ottawa..	2nd Sunday.
Order of Railway Telegraphers, No. 15	G. W. Shepherd..	Alexandria, Ont.	D. Robertson.....	Glen Robertson, Ont....	Call of Chief Teleg.
Civil Service Association of Canada	J. A. Dorion.....	Dept. Inland Revenue, Ottawa	R. H. Coats.....	Depart. of Labour, Ottawa	Last Thursday.
United Brotherhood Carpenters and Joiners of America, No. 93	Michel Baudry...	Drummond St., Ottawa East	Emery Belair....	267 Clarence St., Ottawa	1st and 3rd Wednesdays
International Steel and Copper Plate Printers' Union, No. 6.	W. H. Kent.....	20 Richmond Road, Ottawa	G. Arthur Glen...	327 Rochester St., Ottawa	1st Friday.
National Union Painters, Paperhangers and Decorators, No. 2	W. Hawkins	94 Nicholas St., Ottawa	S. Kennedy.....	178 Avon Lane, N. E., Ottawa	1st and 3rd Fridays.
Brotherhood of Locomotive Firemen and Engineers, No. 81	Geo. M. Simpson	88 Frank St., Ottawa..	M. T. Ashe.....	212 Henderson Av., Ottawa	2nd and 4th Thursdays.
International Brotherhood of Teamsters, No. 192	Chas. Kelly	561 Albert St., Ottawa..	A. Reneaud.....	203 Dalhousie St., Ottawa	1st Sunday.
Amalgamated Association of Street and Electrical Railway Employees of America, No. 279	Jas. O'Brien.....	211 Slater St., Ottawa..	Chas. Ryan.....	258 Albert St., Ottawa..	1st and 3rd Fridays.
Canadian Typographical Union, No. 1	Geo. G. Mercure.	636 King Edward Av., Ottawa	M. B. Rowen.....	69 Creighton St., Ottawa	2nd Saturday.
Stereotypers' International Union of North America, No. 50	T. Hulme.....	309 Bell St., Ottawa	W. R. Hague.....	139 Henderson Av., Ottawa	1st Thursday.

DIRECTORY OF LABOUR ORGANIZATIONS IN ONTARIO.—*Continued.*

Name of Organization.	Name of President.	President's Address.	Name of Secretary.	Secretary's Address.	Nights of Meeting.
Printing Pressmen's Union, No. 5	W. R. Walmesley	Printing Bureau, Ottawa	Alf. J. Larden	327 Bell St., Ottawa	2nd Monday.
Bricklayers' and Masons' International Union, No. 14	John Cameron	74 Lloyd St., Ottawa	M. Fleury	72 Flora St., Ottawa	Alternate Thursdays.
Bartenders' International League, No. 321	W. J. Moran	Wellington Hotel, Ottawa	H. Hoffman	Cadillac Hotel, Ottawa	2nd and 4th Sundays.
Journeymen Barbers' International Union, No. 554	J. A. Lamarche	162 Rideau St., Ottawa	A. Bouthillier	Bank and Queen Strs., Ottawa	1st and 3rd Mondays.
Operative Plasterers' International Association	W. Shillen	18 Morris St., Ottawa	A. Hopkins	297 Lisgar St., Ottawa	Alternate Tuesdays.
Leather Workers on Horse Goods, No. 162	A. W. Chester	126 Lyon St., Ottawa	John R. Ross	198 Albert St., Ottawa	1st and 3rd Tuesdays
Journeymen Tailors' Union of America, No. 143	A. F. B. Wilson	Mutchmore St., Ottawa	R. A. Miller	652 Somerset St., Ottawa	1st and 3rd Mondays.
International Association of Machinists, No. 412	Ernest Newman	Anderson St., Ottawa	Hugh Burke	138 Lorne Av., Ottawa	1st and 3rd Fridays.
United Association Plumbers, Gas Fitters, etc., No. 71	Harry Lee	66 Redpath St., Ottawa	Eugene Cadieux	387 King Edward Av., Ottawa	2nd and 4th Wednesdays
Amalgamated Society of Carpenters and Joiners, No. 826	A. Adams	201 Albert St., Ottawa	Geo. Wild	86 Hamilton Av., Ottawa	Alternate Thursdays.
Bricklayers and Masons' International Union, No. 7	Wm. Reginald	91 Rochester St., Ottawa	Alex. Findlay, jr.	1131 Wellington St., Ottawa	2nd Monday.
Plasterers' National Union	H. McNulty	641 King Edward Av., Ottawa	W. M. Fraser	397 Kent St., Ottawa	1st and 3rd Fridays.
Journeymen Stonecutters' Association of North America	David Rae	Ottawa	Geo. Hutchison	185 Flora St., Ottawa	2nd and 4th Fridays.
Carpenters' and Joiners' National Union, No. 2	Joseph Tapp	20 Percy St., Ottawa	Wm. Buchanan	533 Lisgar St., Ottawa	1st and 3rd Mondays.
Hodcarriers' and Builders' Labourers' Union, No. 32	J. Borris	642 St. Patrick St., Ottawa	H. Bassam	448 Kent St., Ottawa	2nd and 4th Tuesdays.
International Brotherhood of Painters, Paperhangers, etc., No. 200	Hy. Hubst	40 Turner St., Ottawa	H. S. Sparham	213 Flora St., Ottawa	Alternate Mondays.
International Press Feeders' Assistants' Union, No. 9	W. A. Jacques	159 Friel St., Ottawa	Orp Bureau	231 Duke St., Hull, Que.	2nd Monday.
International Brotherhood of Electrical Workers, No. 630	A. W. Trowbridge	40 Balsam St., Ottawa	A. V. Kenny	81 Mutchmore St., Ottawa	1st and 3rd Tuesdays.

Bakers' and Confectioners' International Union	Thos. Elliott	Westboro P. O., Ont.	Thos. L. Leckie	115 Besserer St., Ottawa	1st Saturday.
International Brotherhood of Blacksmiths and Helpers, No. 440	M. R. Hamilton	112 Banks St., Ottawa	A. Hurtubise	103 Bolton St., Ottawa	2nd and 4th Fridays.
International Brotherhood of Meatcutters and Butchers, No. 466	H. H. Beamish	28 Florence St., Ottawa	Jas. Usher	Arlington & Percy Sts., Ottawa	2nd and 4th Wednesdays
Plumbers', Steam Fitters', etc., United Association of U. S. and C., No. 71	Harry Lee	66 Redpath St., Ottawa.	Eugene Cadieux	387 King Edward Av., Ottawa	2nd and 4th Wednesdays
Federal Labourers' Union, No. 8	E. Larocque	60 Baird St., Ottawa	Eugene Cadieux	387 King Edward Av., Ottawa	1st and 3rd Saturdays.
Boiler Makers' and Iron Ship Builders' International Union No. 394	F. Francoeur	169 Henderson Av., Ottawa	Wm. Clark	190 Henderson Av., Ottawa	2nd and 4th Wednesdays
Musicians' Protective Association, No. 180, A. F. of M.	Thos. T. Benbow	Ottawa West P. O.	R. Aime Tison	13 Cathcart S., Ottawa	Last Sunday, 2.15 p.m.
Owen Sound:					
International Brotherhood of Maintenance of Way Employees, No. 214	R. McIntosh	52 George St., Owen Sound	David Knight	Melville Cross P. O.	Saturdays of 3rd month.
Bricklayers' and Masons' International Union, No. 11	Peter Hodson	Owen Sound	Geo. A. Perkins	Box 561, Owen Sound	Every Thursday.
Journeymen Stonecutters' Association of North America.	Alex. Grant	Owen Sound	Edward Gaskell	Box 529, Owen Sound	2nd and 4th Fridays.
Palmerston:					
Order of Railway Conductors, No. 492			P. W. Cordingley	Palmerston	
Brotherhood of Locomotive Firemen and Engineers	John Leakey	Palmerston	Alex. Dunbar	Box 48, Palmerston	1st and 3rd Sundays.
Pembroke:					
International Brotherhood of Maintenance of Way Employees	J. Cochrane	Cobden, Ont.	A. Austin	Pembroke	Last Saturday.
Peterborough:					
Journeymen Barbers' Intern'l Union of America, No. 402.	Eli Hooey	Oriental Hotel, Peterborough	M. H. Gainey	423 George St., Peterborough	Last Monday.
Am. Fed. of Musicians, No. 191	W. Hughes	Bolivar St., Peterboro'.	J. D. Harper	734 George St., Peterborough	1st Monday.
Typographical Union, No. 248.	J. Thompson	258 Aylmer St., Peterborough	J. M. Galbraith	125 Brock St., Peterborough	2nd Saturday.
Painters, Paperhangers and Decorators of America, No. 379	Thos Embury	344 Simcoe St., Peterborough	Wm. Thomas	501 Donegal St., Peterborough	1st and 3rd Mondays

DIRECTORY OF LABOUR ORGANIZATIONS IN ONTARIO.—*Continued.*

Name of Organization.	Name of President.	President's Address.	Name of Secretary.	Secretary's Address	Nights of Meeting.
United Brotherhood of Carpenters and Joiners of America, No. 672	Wm. Geary	Smith St., Peterborough	Geo. Stone	518 Chamberlain St., Peterborough	2nd and 4th Mondays.
International Brotherhood of Maintenance of Way Employees, No. 211	Geo. Spicer	Peterborough	Geo. A. Tummon	Myrtle Station	Every 3 months.
Journeymen Tailors' Union of America, No. 23	J. McConliff	Peterborough	T. L. Anderson	516 Water St., Peterborough	4th Wednesday.
Port Arthur:					
Bricklayers' and Masons' International Union, No. 25 (and Fort William)	B. Goldike	127 South Brodie St., Fort William	A. E. Thornham	104 Empire Av., Dawson Rd., Port Arthur	2nd and 4th Mondays.
International Association of Machinists, No. 820	Geo. Stark	Pearl St., Port Arthur	Andrew Boyd	368 Wiley St., Pt. Arthur	2nd and 4th Saturdays.
Brotherhood of Locomotive Firemen and Engineers, No. 593	T. M. Spooner	152 Albert St., Port Arthur	H. Bowers	216 Ambrose St., Port Arthur	2nd and 4th Sundays.
Typographical Union, No. 575	E. G. Price	Daily News, Port Arthur	Clive N. Lockhead	Box 22, Port Arthur	1st Tuesday.
International Brotherhood of Maintenance of Way Employees, No. 172	Wm. Connan	103 Algoma St., Port Arthur	Geo. Blacklock	Kashabowie	Last Saturday.
Port Colborne:					
United Brotherhood of Carpenters and Joiners, No. 1168 (and Humberstone)	Geo. H. Deeks	Humberstone	Wallace Augustin	Port Colborne	1st and 3rd Mondays.
Port Hope and Cobourg:					
International Moulders' Union, No. 189	John Obner	Box 247, Cobourg	Chas. A. McElroy	Box 201, Port Hope	2nd and 4th Mondays.
Prescott:					
International Longshoremen's Association, No. 244	Geo. M. Harris	Box 87, Prescott	Geo. H. Harris	Box 87, Prescott	Every Monday.
Preston:					
International Moulders' Union.	John McKenna	Preston	T. J. Parker	Preston	1st and 3rd Wednesdays.
Sarnia:					
Brotherhood of Locomotive Firemen and Engineers, No. 221	Adam Frayne	180 Ontario St., Sarnia.	Edw. J. Blake	410 South Christina St., [Sarnia	1st and 3rd Tuesdays.

Brotherhood of Railway Carmen of America, No. 295 (Tunnel)	Wm. Dagg	Sarnia Tunnel	Chas. Pole	461 Davis St., Sarnia	1st Monday.
Journeymen Barbers' International Union, No. 467	Burt Rose	Sarnia	Arth. Rowden	Sarnia	Last Tuesday.
Order of Railway Conductors, No. 189	T. H. Johnson	332 Campbell St., Sarnia	H. Bell	288 Campbell St., Sarnia	1st and 3rd Tuesdays.
Painters, Decorators and Paperhangers of America, No. 422	Gilbert Taylor	Wellington St., Sarnia.	Geo. H. Weston	108 Queen St., Sarnia	1st and 3rd Mondays.
Brotherhood of Locomotive Engineers, No. 240	H. Spratt	Sarnia	Jas. Copeland	Sarnia	Every 2nd Thursday.
United Brotherhood of Carpenters and Joiners, No. 1301	Frank Medcoff	Nelson St., Sarnia	R. O. Hackney	144 Kathleen Av., Sarnia	2nd Wednesday.
Sault Ste. Marie:					
Bricklayers' and Masons' International Union, No. 16	Edw. Kelly	Steelton, Ont.	P. MacIntyre	Box 235, Sault Ste. Marie	Tuesdays.
United Brotherhood of Carpenters and Joiners of America, No. 1825	Alex. S. Scott	Sault Ste Marie	J. C. Curtain	Sault Ste Marie	2nd and 4th Wednesdays
International Moulders' Union of North America	John Morris	Box 809, Sault Ste Marie	Archie Lawson	Box 809, Sault Ste Marie	3rd Friday.
Brotherhood of Locomotive Engineers, No. 67	N. Fulcher	Box 38, Sault Ste Marie, West	A. C. Wagnor	Sault Ste Marie West	2nd and 4th Sundays.
Brotherhood of Railway Trainmen	J. D. McPhail	Sault Ste Marie, West	Joseph Mason	Box 123 Sault Ste Marie West	2nd and 4th Fridays.
Schreiber:					
International Brotherhood of Maintenance of Way Employees, No. 260	None		W. Sparks	Schreiber	Last Sunday.
Smith's Falls:					
Brotherhood of Locomotive Firemen and Engineers, No 479	Reuben L. Plato	Smith's Falls	Hugh Richmond	Smith's Falls	2nd and 4th Mondays, 1.30 p.m.
Brotherhood of Maintenance of Way Employees, No. 736	F. Bragg	Avonmore, Ont.	D. McMillan	Monkland Station	Call of Pres. and Sec.
Stratford:					
Cigar Makers' International Union, No. 424	J. F. Heintzman	Commercial Hotel, Stratford	Jas. Hagarty	139 Centre St., Stratford	1st Wednesday.
Barbers' International Union, No. 136	R. E. Hollinger	Stratford	G. J. Spriggs	273 Ontario St., Stratford	Last Monday.
Amalgamated Society of Engineers, No. 579	Richard Edleston	Stratford	Wm. Bell	216 Douro St., Stratford	2nd Saturday.

DIRECTORY OF LABOUR ORGANIZATIONS IN ONTARIO.—*Continued.*

Name of Organization.	Name of President.	President's Address.	Name of Secretary.	Secretary's Address.	Nights of Meeting.
Brotherhood of Locomotive Firemen and Engineers, No. 38	Fred Corby	83 Blake St., Stratford.	Lewis Garbutt	126 Waterloo St., Stratford	2nd Sunday and 4th Tuesday.
Brotherhood of Locomotive Engineers, No. 188	Donald Ross	239 Front St., Stratford	John Bantley	58 Perth St., Stratford	1st and 3rd Sunday aft.
Typographical Union, No. 139.	C. McDonald	Nile St., Stratford	F. H. Ryan	20 Jones St., Stratford	1st Saturday.
St. Catharines:					
Brotherhood of Painters, Paperhangers and Decorators, No. 407	Fred. Willey	3 McDonald St., St. Catharines	Wm. D. Outram	30 Nelson St., St. Catharines	2nd and 4th Wednesdays
United Brotherhood of Carpenters and Joiners of America, No. 38	W. N. Watson	125 Niagara St., St. Catharines	Jas. Carty	19 Cherry St., St. Catharines	Every Friday.
Bricklayers', Masons' and Plasterers' Union, No. 4	C. Bennett	Maple St., St. Catharines	C. G. Patey	48 Louisa St., St. Catharines	1st and 3rd Tuesdays.
Barbers' Union, No. 1	Sidney J. Towers.	St. Paul St., St. Catharines	Adam Haynes	293 St. Paul St., St. Catharines	1st and 3rd Mondays.
Amalgamated Society of Carpenters and Joiners, No. 61,-422	W. Nicholson	Whily St., St. Catharines	Arthur H. Watts.	21 Victoria St., St. Catharines	Alternate Thursdays.
Typographical Union, No. 416.	Walter James	Standard Office, St. Catharines	Bert Gadsby	16 Haynes Av., St. Catharines	Last Monday.
Cigarmakers' International Union, No. 140	Wilfred Haynes.	Cherry St., St. Catharines	Leo T. Coyle	3 Court St., St. Catharines	1st Monday.
Journeymen Tailors' Union of America, No. 235	L. Rogers	159 Church St., St. Catharines	Verner R. Fullerton	140 Queenston St., St Catharines	1st Monday.
Moulders' and Coremakers' International Union, No. 385.	Harry Grey	Ellis House, St. Catharines	R. Hanlan Wright	112 Church St., St. Catharines	2nd and 4th Fridays.
Metal Polishers', Buffers', etc., United Association of U. S. and C., No. 244	John Duggan	City Hotel, St. Catharines	Harry Oliver	31 Beech St., St. Catharines	Every Thursday.
St. Thomas:					
Brotherhood of Locomotive Engineers, No. 132	Geo. H. Sloggett.	37 Locust St., St. Thomas	E. Cowles	39 Locust St., St. Thomas	Mondays, 2.30 p.m.
Order of Railway Conductors, No. 13	Patrick J. Handley	St. Thomas	John Mackenzie	50 Gladstone Av., St. Thomas	2nd and 4th Sundays, 2 p.m.
Journeymen Barbers' International Union, No. 222	E. E. Freeman	St. Thomas	Edgar N. Compton	56 Redan St., St. Thomas	Last Thursday.

Brotherhood of Railway Carmen, No. 304	F. R. Strongman	417 Bathurst St. London, Ont.	Sidney Cowlin	33 Hiawatha St., St. Thomas	1st and 3rd Wednesdays.
Bricklayers' and Masons' International Union, No. 8	Chas. Sirase, Jr.	57 Kains St., St. Thomas	Orlando J. Beal	83 Erie St., St. Thomas	2nd and 4th Wednesdays
Brotherhood of Railway Trainmen, No. 47	O. Masterman	14 Maple St., St. Thomas	H. Sharp	2 John St., St. Thomas	1st and 3rd Mondays, 2 p.m.; 2nd and 4th Mondays, 8 p.m.
Journeymen Tailors' Union of America, No. 141	O. Lowry	St. Thomas	Wm. Abernethy	32 Ross St., St. Thomas	4th Monday.
Amalgamated Society of Engineers	A. Morgan	172 Centre St., St. Thomas	Geo. Creber	35 Chestnut St., St. Thomas	Oct. 2 and every 2 wks.
International Brotherhood of Maintenance of Way Employees, No. 45	F. Monaghan	St. Thomas	A. Dawson	9 Verna St., St. Thomas	3rd Monday.
International Brotherhood of Maintenance of Way Employees, No. 291	P. Jefferson	31 Barnes St., St. Thomas	R. Sutton	9 Verna St., St. Thomas	3rd Monday.
Cigarmakers' International Union, No. 420	Frank Babcock	Box 154 St. Thomas	Jack Pearse	20 Regent St., St. Thomas	1st and 3rd Fridays.
Amalgamated Street and Electric Railway Employees, No. 486	M. K. Cook	98 Talbot St., St. Thomas	L. S. Fairbairn	21 Elgin St., St. Thomas	Sunday once a month.
International Association of Machinists, No. 294	John Lane	61 Redan St., St. Thomas	John L. Stewart	56 Redan St., St. Thomas	1st and 3rd Tuesdays.
Stevensville:					
International Brotherhood of Maintenance of Way Employees, No. 328	Tom Carver	Stevensville, Ont.	Benj. Winger	Stevensville, Ont	3rd Saturday.
Sudbury:					
Bartenders' International League, No. 237	Eddie Chanon	Sudbury	Jules Armand	Sudbury	Sundays, 2.30 p.m.
Journeymen Tailors' Union of America, No. 226	H. O. Boucher	Sudbury	A. J. Trevelyan	Sudbury	1st Monday.
Temagami:					
Order of Railway Telegraphers, No. 991	J. W. Aubin	Englehart P. O.	L. C. McBride	Temagami	3rd Saturday.
Toronto:					
Bakers' and Confectioners' International Journeymen's Union, No. 204	Joseph Thain	10 Bowman St., Toronto	W. S. Murchie	818 Dovercourt Road, Toronto	1st and 3rd Saturdays.
Journeymen Barbers' International Union of America, No. 517	Wm McArthur	213 Church St., Toronto	L. Worthall	22 Waverley Road, Toronto	1st and 3rd Wednesdays.

DIRECTORY OF LABOUR ORGANIZATIONS IN ONTARIO.—*Continued.*

Name of Organization.	Name of President.	President's Address.	Name of Secretary.	Secretary's Address.	Nights of Meeting.
Bartenders' Union and Benevolent Society, No. 280	Wm. Miles	Grand Opera Hotel, Toronto	A. O'Leary	Labour Temple, Toronto	4th Sunday afternoon.
International Alliance of Billposters and Billers, No. 40	Wm. Hogg	Deer Park	John Partington	1 Church St., Toronto	2nd and 4th Sundays, 3 p.m.
Boiler Makers and Iron Shipbuilders of America, No. 128	W. Worwood	236 Bathurst St., Toronto	Jas. Monaghan	401 Montrose Av., Toronto	2nd and 4th Friday.
International Brotherhood of Bookbinders, No. 28	G. A. Gore	157 Lippincott St., Toronto	Chas. R. Hurst	36 Alice St., Toronto	2nd and 4th Mondays.
International Union Boot and Shoe Workers, No. 233	Harry Hancock	1020 Bathurst St., Toronto	Fred. J. Crump	620 Logan Av., Toronto	Every Monday.
Brass Workers' International Union, No. 5	A. V. Mann	44 Geneva Av., Toronto	W. G. Cassidy	51 O'Hara Av., Toronto	3rd Wednesday.
International Union United Brewery Workmen, No. 304	Joseph Rutledge	61 Montrose Av., Toronto	John D. Corcoran	Labour Temple, Toronto	2nd and 4th Friday.
Bricklayers' International Union, No. 2, Ont.	David S. McCurdy	338 Rusholme Rd., Toronto	Wm. Smithson	125 Withrow Av., Toronto	Every Tuesday.
Bridge and Structural Iron Workers' Union, No. 4	W. McCraig	171 Farley Av., Toronto	W. B. Gracie	343 Symington Av., Toronto	1st and 3rd Tuesdays.
Builders' Labourers' Union, No. 1	G. Drover	134 Spadina Av., Toronto	E. D. Cox	21 McMurrick St., Toronto	Every Tuesday.
Amalgamated Society of Carpenters and Joiners, First Branch, No. 833	J. S. Ross	8 Dupont St., Toronto.	Arthur Barker	Bertha St., Swansea	Alternate Mondays from Jan. 11.
Amalgamated Society of Carpenters and Joiners, Second Branch, No. 834	C. S. Bottomley	252 Concord Av., Toronto	David Crombie	Swansea P. O.	Alternate Mondays from Jan. 4.
Amalgamated Society of Carpenters and Joiners, Fourth Branch, No. 836	R. Woodhouse	149 Church St., Toronto	A. J. Udall	26 Howie Av., Toronto	Alternate Mondays from Jan. 4.
Amalgamated Society of Carpenters and Joiners, Fifth Branch, No. 837	F. C. Benedict	47 Wallace Av., Toronto	Wm. White	14 Bismarck Av., Toronto	Alternate Tuesdays from June 8.
Amalgamated Society of Carpenters and Joiners, Sixth Branch, No. 838	F. H. Pittam	130 De Grassi St., Toronto	Walter Cooley	89 Tiverton Av., Toronto	Alternate Tuesdays from Jan. 12.

Joiners, No. 27	David Brown	188 Lansdowne Av., Toronto	Wm. Cordwell	207 Logan Av., Toronto	2nd and 4th Fridays.
Brotherhood of Carpenters and Joiners, No. 1799	Alex. Luttie	9 Charles St. E., Toronto	Robt. Hayward	562 Clinton St., Toronto	
Carriage and Waggon Makers' Union, No. 85	D. Slattery	612 Ossington Av., Toronto	H. Gain	344 Clinton St., Toronto	1st and 3rd Tuesdays.
Cigar Makers' International Union, No. 27	J. McCarthey	118 Manning Av., Toronto	J. Pamphiton	88 Church St., Toronto	Every Monday.
International Brotherhood of Electrical Workers, No. 114	Martin Nealon	119 Gladstone Av., Toronto	Chas. T. Lacey	360 Margueretta St., Toronto	2nd and 4th Tuesdays.
International Brotherhood of Electrical Workers, No. 353 (Linemen)	Samuel Waller	235 Salem Av., Toronto	Wm. Clayton	35 Alice St., Toronto	1st and 3rd Mondays.
Amalgamated Society of Engineers, No. 666	Robert Fulton	215 Concord Av., Toronto	J. M. Clements	650 Shaw St., Toronto	May 31 and alternate Mondays.
International Union of Marine Engineers, No. 338	H. Dourand	35 Blevins Place, Toronto	F. S. Henning	19 Soho St., Toronto	Fridays in winter.
United Garment Workers of America, No. 185 (Cutters)	N. C. Gilchrist	17 Montrose Av., Toronto	H. B. Stooke	71½ Shuter St., Toronto	2nd and 4th Fridays.
Glass Bottle Blowers' Association of United States and Canada, No. 66	Chas. McNichol	88 Beaconsfield Av., Toronto	Geo. S. Lawson	101 Sheridan Av., Toronto	2nd and 4th Saturdays.
Amalgamated Glass Workers' Union, No. 21	R. J. Kennedy	203 Bathurst St., Toronto	E. Morris	65 Whitney Av., Toronto	1st and 3rd Fridays.
Canadian Granite Cutters' Union	Herb Kaakee	618 Givens St., Toronto	J. W. Ashton	464 Wellesley St., Toronto	3rd Friday.
Horseshoers' International Union of United States and Canada, No. 49			Chas. McIntosh	110 Lindsay Av., Toronto	2nd and 4th Wednesdays
Hotel and Restaurant Employees' International Alliance, No. 334 (Cooks)	Chas. Logan	7 Edward St., Toronto	Chas. M. Perreiah	255 Wilton Av., Toronto	2nd Monday, 8.30 p.m.; 4th Sunday, 3 p.m.
United Brotherhood of Leather Workers on Horse Goods, No. 93	Geo. Shipman	139 Bathurst St., Toronto	Chas. Coulter	672 Spadina Av., Toronto	1st and 3rd Tuesdays.
Lithographers' International Protective and Benevolent Association, No. 12	A. Lennie	391 Carlton St., Toronto	S. Orpen	114 Palmerston Av., Toronto	2nd and 4th Wednesdays
International Longshoremen's Association, No. 646	P. Tracy	16 Palmerston Av., Toronto	S. Stafford	39 Winnifred Av., Toronto	2nd Sunday 2 30 p.m.
International Association of Machinists, No. 235	Geo. Powell	190 Markham St., Toronto	G. E. Crossman	48 Stewart St., Toronto	2nd and 4th Wednesdays

DIRECTORY OF LABOUR ORGANIZATIONS IN ONTARIO.—*Continued.*

Name of Organization.	Name of President.	President's Address.	Name of Secretary.	Secretary's Address.	Nights of Meeting.
International Association of Machinists, No. 371	John McNab	West Toronto	Wm. Lankin	75 McMurray Av., West Toronto	1st and 3rd Thursdays.
International Association of Machinists, No. 689. Headlight Lodge	A. Barrett	John St., Toronto	Sam Bardsley	70 Nassau St., Toronto	1st and 3rd Mondays.
Maltsters' Union No. 317	John Seymour	231 Manning Av., Toronto	Alf. Cheeseman	80 Greenwood Av., Toronto	2nd and 4th Thursdays.
Marble Workers' Union No. 12	F. A. Bellman	289 Dupont St., Toronto	H. J. Slattery	703 Markham St., Toronto	1st and 3rd Thursdays.
Masters' and Mates' Union No. 12,769	Capt. W. Foster	180 Spadina Av., Toronto	Capt. J. G. Pratt	2674 Simcoe St., Toronto	Every Monday.
Metal Polishers', Buffers' and Platers' Union No. 21	Jas. Spring	100 Bellwoods Av., Toronto	Walter Driscoll	467 Gerrard St. E., Toronto	2nd and 4th Wednesdays.
International Moulders and Coremakers' Union No. 28	Wm. Mahon	72 Vanauley St., Toronto	Wm. Skimerton	75 Hosken Av., West Toronto	1st and 3rd Wednesdays.
Musical Protective Association, No. 149	J. E. Jarratt	221 Dunn Av., Toronto.	Jos. Ball	114 Augusta Av., Toronto	1st Sunday, 2.15 p.m.
Brotherhood of Painters, Decorators and Paperhangers of America, No. 3	A. Wills	77 Ossington Av., Toronto	W. A. Hanna	209 Bleecker St., Toronto	2nd and 4th Tuesdays.
Brotherhood of Painters, Decorators and Paperhangers of America, No. 219	J. Neale	34½ Bellwoods Av., Toronto	Wm. Stockdale	684 Shaw St., Toronto	1st and 3rd Wednesdays.
Brotherhood of Painters, Decorators and Paperhangers of America, No. 737	F. C. Brent	80 Munro St., Toronto.	John J. Fitze	15 Clark St., Toronto	2nd and 4th Wednesdays
Photo Engravers' Union, No. 35	J. Egan	167 River St., Toronto.	J. Robson	339 Gladstone Av., Toronto	1st Monday.
Piano, Organ, Musical Instrument Workers' International Union, No. 41	Jos Harding	110 Birch Av., Toronto.	Geo. H. Tunstead.	8 Gibson Av., Toronto	2nd Monday
Operative Plasterers' International Association, No. 48	Fred. Brooks	709 Ossington Av., Toronto	W. J. Hamilton	243 Havelock St., Toronto	2nd and 4th Thursdays
Plasterers' Laborers' Association, No. 1	Michael Barrett	294 Ontario St., Toronto	Chas. R. Collett	330 Broadview Av., Toronto	1st and 3rd Tuesdays.
Brotherhood of Railway Carmen, No. 511	H. W. Winter	48 Dundas St., Toronto	S. Watson	39 Noble St., Toronto	4th Thursday.

Order of Railway Conductors, No. 344	R. J. Cleverden	Osborne St., East Toronto,	G. Prescott	1469 Danforth Av., Toronto	2nd and 4th Mondays.
Order of Railroad Conductors, No. 345	W. H. Hind	141 Annette St., West Toronto	G. A. Wood	57 Empress Crescent, Toronto	2nd and 4th Sundays, 2.30 p.m.
Brotherhood of Locomotive Firemen and Engineers, No. 596	A. J. Boyes	22 Stephenson Av., East Toronto	F. A. Pinkston	2299 Gerrard St. E., Toronto	2nd and 4th Tuesdays, 1.30 p.m.
Brotherhood of Railway Trainmen, No. 255	P. J. Scanlon	113 Quebec Av., West Toronto	J. H Davison	159 Vine Av., West Toronto	Mondays, 1.30 p.m.; 3rd Sunday, 2.30 p.m.
Brotherhood of Railway Trainmen, No. 322	Mr. Tait	Bathurst St., Toronto	H. T. Meredith	282 Crawford St., Toronto	1st Sunday, 2.30 p.m.; 3rd Sunday, 7.30 p.m.
Street and Electric Railway Employees, No. 113	W. Murray	53 Perth Av., Toronto	H. B. Oakley	451 Logan Av., Toronto.	1st Monday, 3rd Sunday.
Sawsmiths' Union of North America, No. 10	John Moxon	33 Beverley St., Toronto	T. S. Burns	82 Wright Av., Toronto	1st Tuesday.
Sheet Metal Workers' Union No. 30	H. J. McMillan	93 Esther St., Toronto.	J. S. Chapman	294 Margueretta St., Toronto	1st and 3rd Fridays.
Stereotypers' and Electrotypers' Union, No. 21	Ed. Young	290 Ontario St., Toronto	H. Bartley	967 Logan Av., Toronto	1st Thursday.
Journeymen Stonecutters' Association of North America	Wm. Burritt	Box 282, Toronto	E. Shipley	Box 347, Davisville	2nd and 4th Fridays.
Stonemasons', Bricklayers and Stonecutters' Union, No. 26	J. E. Jones	36 Hillboro Av., Toronto	J. R. Cross	297 Gladstone Av., Toronto	1st and 3rd Thursdays.
Journeymen Tailors' Union of North America, No. 152	Geo. Sangster	68 Vermont Av., Toronto	Jas. Watt	Labour Temple, Toronto	2nd and 4th Mondays.
Journeymen Tailors' Union of North America, No. 156	Frank Curts	29 Dundas St. E., West Toronto	M. P. Aitchison	25 Union St. S., West Toronto	1st Monday.
Ontario Teachers' Alliance	L. E. Embree	Jarvis St. Col. Inst., Toronto	Chas. G. Fraser	10 Sylvan Av. Toronto	
International Brotherhood of Teamsters, No. 409 (ice)	F. Johnson	10 Percy St. Toronto	S. H. May	37 Stuart St. Toronto	1st and 3rd Sundays
International Brotherhood of Teamsters, No. 457 (coal)	John Notley	287 Lippincott St. Toronto	H. R. Barton	156 Victoria St. Toronto	1st and 3rd Sundays.
International Brotherhood of Teamsters, No. 495	H. McRae	232 Niagara St. Toronto	J. S. Robinson	135 Baldwin St., Toronto	2.30 p.m. 1st Friday.
Team Owners' Assn., No. 1	J. Madill	680 Markham St., Toronto	J. Gosnell	102 Sherbourne St., Toronto	1st and 3rd Thursdays
Commercial Telegraphers' Union of America, No. 1, C. P. System	C. E. Hill	362 Brock Av., Toronto.	D. Warner	335 Carlton St., Winnipeg, Man.	
Theatrical Stage Employees, No. 58	R. C. Newman	Shea's Theatre, Toronto	W. E. Meredith	472 Dovercourt Road, Toronto	2nd Sunday.
Travellers' Goods and Leather Novelty Workers' International Union, No. 5	Joseph Smith	65 Givens St., Toronto	Alf. Nuen	3 Stafford St., Toronto.	1st Thursday.

DIRECTORY OF LABOUR ORGANIZATIONS IN ONTARIO.—*Continued.*

Name of Organization.	Name of President.	President's Address.	Name of Secretary.	Secretary's Address.	Nights of Meeting.
Typographical Union No. 91..	Sam H. Hadden.	York Hotel, Toronto ...	Thos. Vodden....	57 King St. W., Toronto	1st Saturday.
Women's Auxiliary Typographical Union No. 91, No. 42.	Mrs. Duncan McDougall	111 Ossington Av., Toronto	Mrs. Norman Williams.....	883 Dovercourt Road, Toronto	3rd Monday.
International Feeders' Union, No. 1.	W. J. Mino	16 Bredalbane St., Toronto	F. Robinson.....	119 Hamilton St., Toronto	2nd Monday.
Toronto Mailers' Union, No. 5..	J. G. Gallaher....	50 Beaconsfield Av., Toronto	E. McGarry.....	41 North Markham St., Toronto	1st Monday.
Web Pressmen's Union, No. 1.	Wm. Hall.....	Truth Office, Toronto...	Wm. Hart.....	Star Office, Toronto...	3rd Monday.
Upholsterers' International Union, No. 30.....	Geo. A. Moore...	727 Gladstone Av., Toronto	F. W. Prior.....	370 Margueretta St., Toronto	2nd and 4th Thursdays.
Welland.					
Amalgamated Society of Carpenters and Joiners, No. 843	Jas. McIlride....	Welland	Alf. Laing.....	Box 121, Welland.....	Alt'nate Saturdays from Jan. 9.
United Brotherhood of Carpenters and Joiners of America, No. 969.	Wm. Burges.....	Welland	Wm. Jackson.....	Welland	2nd and 4th Tuesdays.
International Union of Bricklayers and Masons, No. 32..	Walter Edington.	Welland	G. Scott.....	Welland	1st and 3rd Mondays.
Moulders' International Union, No. 472.	Jas. R. Mitchell..	Welland	Edgar Jones.....	Box 117, Welland	1st and 3rd Wednesdays.
Windsor.					
Journeymen Barbers' International Union, No. 451.....	Geo. Erb.....	Windsor	Edw. Adair.....	Windsor	4th Monday.
Bricklayers' and Masons' International Union, No. 6.....	W. J. Nesbitt....	147 London St., Windsor	Jas. Northcott....	Box 332, Walkerville...	Every Tuesday.
International Association of Marine Engineers, No. 11...	Alex. McDonald..	28 Crawford Av., Windsor	Neil Maitland.....	221 London St., W., Windsor	Thursdays in winter.
Painters, Decorators and Paperhangers of America, No. 629.	W. Beal.....	104 Twenty-first St., Detroit	Lewis Wilber.....	39 Wellington Av., Windsor	2nd Thursday.
Order of Railway Conductors, No. 494.....	Robt. Whyte	104 Victoria Av., Windsor	Godber Jackson...	114 Goyeau St., Windsor	2nd and 4th Sunday aft.
Brotherhood of Locomotive Engineers, No. 390.....	Jas. McGarvah...	Assumption St., Windsor	David Lanspeary.	19 Louis Av., Windsor	2nd and 4th Tuesdays.

Firemen and Engineers, No. 421	Ernest Gay	Dougal Av., Windsor	John Mackett	2 Windsor Av., Windsor	Every two weeks.
Brotherhood of Railway Trainmen, No. 316	J. W. Marshall	14 Lincoln Road, Walkerville	Chas. Weldrick	168 Dougall Av., Windsor	
Windsor and Walkerville Protective Association of Team Drivers, No. 1	E. Pillon	Sandwich, Ont.	Dan. A. Tubbs	31 Montmorency St., Windsor	1st and 3rd Thursdays.
Tobacco Workers' International Union, No. 71	Vallerie Hebert	Erie Tobacco Co., Windsor	Patrick Cada	Erie Tobacco Co., Windsor	Every Wednesday.
Typographical Union No. 553. Woodstock.	W. J. Walker	12 Pelissier St., Windsor	A. Selieve	71 Sandwich St, W., Windsor	1st and 3rd Wednesdays.
Bricklayers' and Masons' International Union, No. 22	Thos. Broder	Woodstock	E. Johnson	15 Norwich Av., Woodstock	2nd and 4th Tuesdays.
Bartenders' International League, No. 344	P. J. Farrell	Royal Hotel, Woodstock	M. C. Barrey	Royal Hotel, Woodstock	1st of month.
Typographical Union, No. 317.	John Sherman	Express Printing Co., Woodstock	J. M. Manser	312 Dundas St., Woodstock	Once a month.
International Moulders' Union, No. 249	James Martin	236 Light St., Woodstock	Fred. Childs	319 Russell St., Woodstock	1st and 3rd Fridays.

WAGES AND HOURS OF LABOUR.

Table showing average wages per week and hour, and hours of labour, with comparison between those organized and unorganized in localities as reported: also number of days idle and periods of wage payment.

Location and Title of Organization.	Average wages per week.		Average wages per hour.		Hours of labour first 5 days.		Hours on Saturday.		Total hours per week.		Average days idle.	Period of wage payments.
	Organized.	Unorganized.	Organized.	Unorganized.	Organized.	Unorganized.	Organized.	Unorganized.	Organized.	Unorganized.		
ALLISTON:	$ c.	$ c.										
Intern. Bro. of Maintenance of Way Employes, No. 217..	10 85	10 85	15	15	50	50	10	10	60	60	none	monthly
ALLANDALE:												
Bro. of Locomotive Firemen and Engineers, No. 442....	12 00	12 00	19	19	[illegible]						uncer'n.	monthly
AURORA:												
American Federation of Musicians, No. 335												
BARRIE:												
Un. Bro. of Carpenters and Joiners of America.....	12 00	12 00	20	20	50	50	9	9	59	59	75	weekly
BELLEVILLE:												
Bricklayers,' Masons' and Plasterers' Int. Union, No. 30..	13 50	11 47	36	25½	45	45	9	9	54	54	140	weekly
Bro. of Locomotive Engineers, No. 189.....	27 00	27 00										monthly
Bro. of Locomotive Firemen and Engineers, No. 66.....	14 00	14 00										monthly
BERLIN:												
Boot and Shoe Workers' Union, No. 206 (Male).....	10 00	9 00	20	18	50	50	7½	7½	57½	57½	21	fortnightly
" " " (Female).....	8 00	7 00	17	15	50	50	7½	7½	57½	57½	21	fortnightly
Bricklayers' and Plasterers' Intern. Union, No. 12.....	19 00	16 60	35	27½	45	50	9	10	54	60	100	fortnightly
Canadian Assoc. of Stationary Engineers, No. 9.....	12 00		22½		50		9		59		none	weekly
Cigar Makers' Intern. Union, No.. 422.....	11 00	11 00	25	20	40	50	4	5	44	55	60	weekly
Federal Labour Union, No. 17, Corporation Labourers..	10 50	10 00	18	17	50	50	9	9	59	59	200	fortnightly
United Bro. of Carpenters and Joiners, No. 553.....	11 00	11 00	20	20	45	45	9	9	54	54	75	fortnightly
Upholsterers' Intern. Union, No. 42.....	12 00	12 00	20	20	50	50	9	9	59	59	40	fortnightly
Builders' Labourers' Union, No. 160.....	11 00		21		45		9		54		75	fortnightly
Musicians' Protective Association.....												
Journeymen Tailors' Union of America, No. 264 (Male)..	10 00	7 00	18	12	50	55	8	8	58	63	60	fortnightly
" " " " (Female)	8 00	5 50	12	10	50	55	8	8	58	63	60	fortnightly
Printing Pressmen and Assistants' Un. No. 135	12 00		20		49		5		54			wk- and fort.

Amalg. Soc. of Carpenters and Joiners, No. 808	16 50	11 00	30	20	50	50	5	5	55	55	50	weekly
Journ Barbers' Intern. Union of America, No. 298	11 00	all org	18	.....	50	.....	12	.....	62	.....	30	weekly
Intern. Assoc. of Machinists, No. 564	12 00	.....	20	.....	50	.....	5	.....	55	.....	varies	fortnightly
Oper. Plasterers' Intern. Assoc., No. 164	18 90	less	35	less	45	45	9	9	54	54	.....	weekly
Intern. Moulders' Union, No. 29	15 00	.....	25	.....	60	60	5	5	65	65	30	fortnightly
Cigar Makers' Intern. Union, No. 59	8 00	6 00	25	11	40	50	4	5	44	50	85	weekly
Bricklayers' and Masons' Intern. Union No. 9	19 50	less	45	less	40	50	4	5	44	55	90	weekly
Bartenders' Intern. League, No. 182	11 00	11	20	20	44	44	12	12	56	56	.....	wk. or mo.
Journ. Tailors' Union of America, No. 117 (Male)	10 00	10 00	22	22	50	50	10	10	60	60	60	weekly
" " " (Female)	3 00	3 00	16	16	50	50	10	10	60	60	60	weekly
BRIDGEBURG:												
Bro. of Railway Carmen, No. 9	9 00	.....	16	.....	45	.....	9	.....	54	.....	12	monthly
BROCKVILLE:												
Journ. Barbers' Intern. Union, No. 387	12 00	...	17	.....	55	.....	14	.....	69	.....	13	weekly
Order of Railway Conductors, No. 366	20 00	20 00	29	29	varies	.....	.....	.....	...	.....	varies	monthly
Un. Bro. Carpenters and Joiners of America, No. 799	16 20	13 50	30	25	45	45	9	9	54	54	90	weekly
Journ. Tailors' Intern. Union, No. 262 (Male)	10 00	9 00	20	18	50	50	10	10	60	60	30	weekly
" " " (Female)	7 00	6 30	15	13½	50	50	10	10	60	60	30	weekly
Bro. of Locomotive Engineers, No. 118	27 50	27 50	80	80	28	28	6	6	34	34	.....	monthly
Bro. of Locomotive Firemen and Engineers, No. 69	by run	.....	.....	.....	by run	.....	.....	.....	...	.....	.....	monthly
CHAPLEAU:												
Bro. of Locomotive Engineers, No. 319	40 00	40 00	.....	.....	milg'e	basis	.....	.....	.....	.....	.....	monthly
Bro. of Locomotive Firemen and Engineers, No. 321	25 00	25 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	monthly
CHATHAM:												
Canadian Assoc. of Stationary Engineers, No. 21	12 00	12 00	17	17	55	55	11	11	66	66	none	weekly
COLLINGWOOD:												
Bricklayers' and Masons' Intern. Union, No. 19	20 25	17 00	37½	32	45	50	9	10	54	60	150	fortnightly
Intern. Longshoremen's Association, No. 476	12 00	12 00	30	30	50	50	10	10	60	60	150	after job
CORNWALL:												
Journ. Tailors' Union of America, No. 355	11 00	.....	19	.....	50	.....	10	.....	60	.....	25	weekly
DUNDAS:												
United Garment Workers of America, No. 30 (Male)	10 00	.....	21	.....	45	.....	4	.....	49	.....	18	weekly
" " " (Female)	6 00	.....	14½	.....	45	.....	4	.....	49	.....	18	weekly
Intern. Moulders' Union, No. 269	13 75	13 75	25	25	50	50	5	5	55	55	.....	fortnightly
ESSEX:												
Intern. Bro. Maintenance of Way Employ., No. 812	8 10	.....	13½	.....	50	.....	10	.....	60	60	.....	monthly
FINCH:												
Intern. Bro. of Maintenance of Way Employ., No. 136	10 80	10 80	18½	18½	50	50	10	10	60	60	None	monthly
FORT FRANCES:												
Carpenters and Joiners	18 00	13 50	30	22½	50	50	10	10	60	60	72	... .
FORT WILLIAM:												
Intern. Bro. of Maintenance of Way Empl., No. 128	10 20	9 00	17	15	50	50	10	10	60	60	Varies	monthly
Boiler Makers and Assist. of Am., No. 505 (Boilermakers)	21 60	21 60	40	40	40	40	8	8	48	48	s.time w	monthly
" " (Helpers)	14 31	14 31	26½	26½	40	40	8	8	48	48	s.time w	monthly

Table showing earnings per week, etc.—*Continued.*

Location and Title of Organization.	Average wages per week.		Average wages per hour.		Hours of labour first 5 days.		Hours on Saturday.		Total hours per week.		Average days idle.	Period of wage payments.
	Organized.	Unorganized.	Organized.	Unorganized.	Organized.	Unorganized.	Organized.	Unorganized.	Organized.	Unorganized.		
FORT WILLIAM.—*Continued.*	$ c	$ c.	$ c.	$ c.								
Intern. Moulders Un. No. 429	18 00	10 50	30	17½	50	50	9	9	59	59	.....	fortnightly
Intern. Bro. Loco. Engineers	30 00	30 00	46½	46½	mile'g	basis	.....	.....	.....	.....	Varies	monthly
Intern. Longshoremen's Assoc. No. 746 (Coal Handlers)	17 50	17 50	29	29	50	50	10	10	60	60	.....	monthly
Ft. William Typographical Union, No. 417	20 00	.....	41¾	41¾	40	.....	8	.....	48	.....	none	weekly
Amalg. Soc. of Carpenters and Joiners, No. 813	21 00	18 75	35	31¼	50	50	10	10	60	60	100	fortnightly
Intern. Longshoremen's Un., No. 479, Grain Trimmers, Ft. W. and Pt. A.	25 00	.....	.....	.....	75	.....	17	.....	109	.....	120	weekly
GALT:												
Intern. Moulders' Union of N. A., No. 447	12 00	12 00	22	22	50	50	5	5	55	55	60	fortnightly
Amer. Fed. of Musicians, No. 124, Galt Kiltie Band	.....	.....	35	35	.....	.....	.....	.....	.....	.....	.....	
Pattern Makers' League of North America	13 20	13 20	24	24	50	50	5	5	55	55	.....	fortnightly
GUELPH:												
Piano, Organ, etc., Workers, No. 34	9 68	9 68	22	22	40	40	4	4	44	44	66	fortnightly
Guelph Typographical Union, No. 391	12 50	All or.	30	.....	40	.....	8	.....	48	.....	13	weekly
Journ. Stonecutters of America, No. 7	19 50	19 50	40	40	40	40	8	8	48	48	100	fortnightly
Bricklayers' and Masons' Intrn. Union, No. 3	21 60	.....	40	.....	45	.....	9	.....	54	.....	100	wk. or fort.
Journ. Tailors' Union of America, No. 297 (Male)	10 00	.....	18	.....	45	.....	12	.....	57	.....	.....	weekly
" " " (Female)	5 00	.....	9	.....	45	.....	12	.....	57	.....	.....	weekly
Brussels Carpet Weavers' Union No. 277	10 00	All or.	18	.....	50	.....	5	.....	55	.....	60	fortnightly
Intern. Moulders' Union No. 212	16 50	16 50	27½	27½	50	none	9	none	59	none	.....	weekly
Bartenders' Intern. League, No. 104	15 00	11 00	20	15	60	60	12	12	72	72	none	monthly
Tapestry Carpet Weavers' Union, No. 585 (Male)	8 00	All or.	15	.....	50	.....	5	.....	55	.....	90	fortnightly
" " " (Female)	6 00	All or.	11	.....	50	.....	5	.....	55	.....	90	fortnightly
HAMILTON:												
Amalg. Soc. of Carpenters and Joiners, No. 817	16 50	.....	37½	.....	40	.....	4	.....	44	.....	.....	weekly
Amalg. Soc. of Engineers	.....	.....	.....	.....	50	.....	7½	.....	57½	.....	.....	fortnightly
Intern. Bro. of Bookbinders, No. 114 (Male)	14 00	14 00	29	29	45	45	3	3	48	48	none	weekly
" " " (Female)	4 00	4 00	8½	8½	45	45	3	3	48	48	none	weekly

Journ. Barbers' Intern. Union, No. 131	12 00	10 00	19	14⅓	50	55	13	15	63	70	.....	weekly
Bro. of Painters and Decorators of America, No. 205	15 00	10 80	30	23⅞	43	43	4½	4½	47½	47½	25	weekly
Intern. Union of Brewery Workers, No. 312	11 00	11 00	20	20	50	50	6	6	56	56	none	weekly
Un. Bro. of Carpenters and Joiners of America, No. 18	16 00	less	37½	less	40	40	4	4	44	44	60	wk. or fort.
Custom Tailors' Union (Male)	15 00	15 00	25	25	pc.wk.	.....	.....	.....	.....	.....	50	weekly
" " (Female)	7 00	7 00	18	18	pc.wk.	.....	.....	.....	.....	.....	50	weekly
Cigar Makers' Intern. Union, No. 55	11 00	all org	25	25	40	40	4	4	44	44	45	weekly
Fed. Labour Union, No. 11 (City Firemen)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	fortnightly
Canadian Assoc. of Stationary Engineers, No. 2	18 00	18 00	26	26	57½	57½	11½	11½	69	69	none	wk., f. or m.
Musicians' Protective Association	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Intern. Union of Wood, Wire, etc., Lathers, No. 145	15 40	14 80	35	30	40	45	4	4½	44	49½	150	weekly
Order of Railway Conductors, No. 27	18 00	18 00	30	30	50	50	10	10	60	60	.....	monthly
Tobacco Workers' Intern. Union, No. 48 (Male)	10 00	.....	18	.....	50	.....	5	.....	55	.....	40	weekly
" " " (Female)	6 00	.....	12	.....	50	.....	5	.....	55	.....	40	weekly
Printing Pressmen and Assist. Un., No. 176 (Pressmen)	15 00	all org	31½	.....	43⅜	.....	4½	.....	48	.....	.....	weekly
" " " (Assistants)	9 50	all org	19½	.....	43⅜	.....	4½	.....	48	.....	.....	weekly
Patternmakers' League of North America	16 50	12 00	30	22½	50	50	7½	7½	57½	57½	100	fortnightly
Boot and Shoe Workers' Union, No. 228	12 00	.....	20	.....	50	.....	5	.....	55	.....	12	weekly
Boot and Shoe Workers' Union, No. 232 (Cutters)	12 10	.....	22	.....	55	.....	none	.....	55	.....	25	weekly
Boot and Shoe Workers' Union, No. 234 (Female)	7 50	.....	15	.....	45	.....	7	.....	52	.....	30	weekly
Boot and Shoe Workers' Union, No. 444	10 00	10 00	18	18	50	50	5	5	55	55	12	weekly
Amalg. Assoc. of Street and Elec. R. Employ., No. 107	12 00	10 50	19	17	57½	57½	11½	11½	69	69	none	fortnightly
Bro. of Locomotive Engineers, No. 133	20 00	20 00	30	30	50	50	10	10	60	60	15	monthly
Intern. Moulders' Union, No. 26	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	170	weekly
Hamilton Typographical Union, No. 129 (News)	16 00	11 00	33⅓	23	44	44	4	4	48	48	.....	weekly
" " " (Job)	15 00	10 00	31⅓	21	44	44	4	4	48	48	.....	weekly
Bakery and Confectionery Workers' Intern. Un., No. 79	13 50	.....	22½	.....	48	.....	12	.....	60	.....	.....	weekly
Intern. Journ. Horseshoers, No. 72	14 50	11 00	26 5/11	14⅜	50	55	5	5	55	60	.....	weekly
Intern. Broom and Whisk Makers' Union, No. 9	14 00	.....	25	.....	45	.....	4½	.....	49½	.. ..	15	weekly
INGERSOLL:												
Intern. Bro. of Maintenance of Way Employ., No. 503	11 15	11 15	18½	18½	50	50	10	10	60	60	10	monthly
Un. Bro. of Carpenters and Joiners	15 00	12 00	25	20	50	50	9	9	59	59	75	weekly
JACK FISH:												
Intern. Bro. of Maintenance of Way Employ. No	10 20	8 40	17	14	50	50	10	10	60	60	none	monthly
KENORA:												
Intern. Bro. of Maintenance of Way Employ, No	15 00	13 80	25	23	50	50	10	10	60	60	none	monthly
KINGSTON:												
Intern. Builders' Labourers' Union, No. 66	12 00	9 00	25	16½	40	45	8	9	48	54	.....	fortnightly
Intern. Longshoremen's Assoc., No. 561 (Marine Firemen, Oilers, etc.)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	100	monthly
Lake Seamen's Union	11 50	10 00	.....	.....	.....	.....	.....	.....	.....	.....	120	mon. or trip.
Unit. Bro. of Carpenters and Joiners, No. 249	15 00	15 00	31¼	28	40	45	8	9	48	54	30	fortnightly
Journ. Tailors' Union of America, No. 263 (Male)	9 00	.....	17	.....	45	.....	9	.....	54	.....	90	fortnightly
" " " (Female)	3 50	.....	07	.....	45	.....	9	.....	54	.....	90	fortnightly

Table showing earnings per week, etc.—*Continued.*

Location and Title of Organization.	Average wages per week.		Average wages per hour.		Hours of labour first 5 days.		Hours on Saturday.		Total hours per week.		Average days idle.	Period of wage payments.
	Organized.	Unorganized.	Organized.	Unorganized.	Organized.	Unorganized.	Organized.	Unorganized.	Organized.	Unorganized.		
KINGSTON.—*Continued.*	$ c.	$ c.	c.	c.								
Intern. Longshoremen's Assoc., No. 229	15 00	6 00	25	10	50	50	10	10	60	60	100	weekly
Bro. of Painters and Decorators of America, No. 114	10 00	10 00	22½	less	45	more	9	.....	54	.....	90	weekly
Amalg. Soc. of Engineers, No. 659	11 25	11 25	22½	22½	50	50	5	5	55	55	13	fortnightly
Bricklayers' and Masons' Intern. Union, No. 10	24 00	24 00	45	45	40	40	8	8	48	48	150	fortnightly
Journ. Barbers' Intern. Union, No. 514	12 00	10 00	19	16	50	50	14	14	64	64	.....	weekly
Amalg. Sheet Metal Workers' Intern. Alliance, No. 117	13 50	13 50	25	25	45	45	9	9	54	54	.....	weekly
Typographical Union, No. 204	12 80	12 80	27	24	40	45	8	9	48	54	2	weekly
Nat. Assoc. Marine Engineers, No. 4	20 00	.....	37	.....	45	.....	9	.....	54	.....	120	weekly
LINDSAY:												
Bro. of Locomotive Engineers, No. 174	25 00	25 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	monthly
LONDON:												
Am. Fed. of Musicians	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
United Bro. of Carpenters and Joiners of Am., No. 1946	13 86	less	28	less	45	50	4½	5	49½	55	38	weekly
Bricklayers' and Masons' Intern. Union, No. 5	19 80	18 20	45	35	40	47½	8	4½	48	52	100	monthly
Bro. of Railway Trainmen, No. 415	23 00	23 00	28	28	varies	.....	.....	.....	.....	.....	18	monthly
Intern. Bro of Maintenance of Way Employ., No. 195	12 00	12 00	19	19	50	50	10	10	60	60	.....	monthly
Intern Bro. of Electrical Workers', No. 120	12 00	12 00	20	20	50	50	10	10	60	60	12	fortnightly
Amalg. Soc. of Engineers	13 50	13 50	22½	22½	45	45	5	5	50	50	8	wk. or mon.
Order of R. Telegraphers, No. 1. (G. T. R. Div.)	12 50	12 50	15	15	60	60	12	12	72	72	none	monthly
Amalg. Soc. of Carpenters and Joiners, No. 818	13 86	13 86	28	28	45	45	4½	4½	49½	49½	75	weekly
Fed. Labour Union, No. 5	varies	.....	.....	.....	varies	.....	½ h,d'y	.....	.....	.....	.....	weekly
Bro. of Locomotive Fire and Engineers, No. 117	mil'g	.....	.....	.....	mil.g	.....	.....	.....	.....	.....	.....	monthly
United Assoc. of Plumbers, Gas Fitters, etc., No. 289	15 40	10 00	35	22½	40	40	4	4	44	44	50	weekly
Metal Polishers, Buffers, Platers, etc., Un. of N. A., No. 32	16 50	.....	30	.....	50	.....	5	.....	55	.....	.....	wk. or fort.
Journ. Stonecutters' Assoc. of N. A.	19 80	all org	45	.....	40	.....	4	.....	44	.....	75	weekly
Fed. Assoc. of Letter Carriers	.....	.....	.....	.....	47½	47½	9½	9½	57	57	.....	fortnightly
Bartenders' Intern. League, No. 137	12 0	9 00	23	17	40	40	12	12	52	52	.....	weekly
Cigar Makers' Union, No. 278	7 0	4 00	16	10	40	40	4	4	44	44	.....	weekly
Amalg. Sheet Metal Workers' Intern. Alliance, No. 206	11 50	.....	20	.....	50	.....	5	.....	55	.....	.....	weekly

Printing Pressmen's and Assistants' Union, No. 173	12 00	.....	23	.....	47½	.....	4½	.....	52	.....	13	weekly
Building Labourers' Intern. Union, No. 268	11 00	9 00	25	20	40	40	4	4	44	44	100	weekly
Intern. Moulders' Union, No. 37	11 00	.....	23½	.....	40	.....	7	.....	47	.....	.....	weekly
London Typographical Union, No. 133	14 50	12 00	30	21	42	50	6	7	48	57	None	weekly
Intern. Alliance Theatrical Stage Employees	Vari's	All or.	.....	.....	Vari's	.....	.....	.....	.....	.....	100	weekly
Bro. of Locomotive Firemen and Engineers, No. 468	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	monthly
Journ. Barbers' Intern. Union, No. 366	12 00	12 00	21	19½	45	48	13	14	58	62	.....	weekly
MIMICO:												
Bro. of Locomotive Firemen and Engineers	20 00	20 00	25	25	60	60	12	12	72	72	.....	monthly
NIAGARA FALLS:												
Bricklayers' and Masons' Intern. Union, No. 27	24	.....	50	.....	40	.....	8	.....	48	.....	150	weekly
Order of Railway Telegraphers, No 16	14 00	14 00	15	15	55	55	11	11	77	77	11	monthly
Journ. Stonecutters of North America	24 00	All or.	50	.....	40	.....	8	.....	48	.....	50	fortnightly
Amalg. Soc. of Carpenters and Joiners	18 90	14 85	35	27½	45	45	9	9	54	54	25	weekly
NORTH BAY:												
Order of Railway Conductors, No. 242	30 00	30 00	.....	.....	varies	.....	.....	.....	.....	.....	.....	monthly
Bro. of Railway Carmen of America, No. 192	12 00	12 00	19½	19½	50	50	10	10	60	60	60	monthly
Intern. Bro. of Maintenance of Way Employ., No. 244	10 80	8 10	18	13½	50	50	10	10	60	60	None	monthly
OIL CITY:												
Intern. Bro. of Maintenance of Way Employees	10 00	10 00	13½	13½	50	50	10	10	60	60	4	monthly
OSHAWA:												
Intern. Moulders' Union, No. 136	9 00	9 00	25	25	50	50	9	9	59	59	.....	wk. or fort.
Pattern Makers' League of North America	13 50	9 60	22½	16½	50	50	9	9	59	59	75	weekly
OTTAWA:												
Bro. of Rail. Trainmen, No. 185	mile'g	same	.....	.....	50	50	10	10	70	70	150	monthly
Amalg. Sheet Metal Workers', No. 47	14 00	14 00	27½	27½	45	45	6½	6½	51½	51½	85	wk. or fort.
Intern. Moulders' Union, No. 280	15 60	15 60	26	26	50	50	9	9	59	59	.....	fortnightly
National Hotel and Restaurant Employ. of Canada, No. 1	.....	same	.....	.....	.....	.....	.....	.....	.....	.....	none	monthly
Intern. Typographical Union, No. 102	15 00	15 00	31½	31½	43	43	5	5	48	48	v. few	wk. or fort.
Commercial Union, No. 1	10 00	.....	18	.....	45	.....	11	.....	56	.....	.....	weekly
Order of Railway Conductors, No. 29	25 00	25 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	monthly
Intern. Alliance of Theatrical Stage Employees, No. 95	12 50	allorg.	.....	.....	.....	.....	.....	.....	.....	.....	.....	weekly
Order of Railway Telegraphers, No. 15	12 00	12 00	17	17	60	60	12	12	72	72	none	monthly
Civil Service Association of Canada	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	monthly
United Bro. Carpenters and Joiners of America, No. 93	14 50	13 00	29	26	45	45	5	5	50	50	35	wk. or fort.
Intern. Steel and Copper Plate Printers' Union, No. 6	.....	.....	.....	.....	42½	42½	4½	4½	47	47	none	weekly
National Un. Painters Paperhangers and Decorators, No.2	12 41	10 50	28½	21	41½	41½	4½	8½	46	50	45	wk. or fort.
Bro. of Locomotive Firemen and Engineers, No. 81	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	varies	monthly
Intern. Bro. of Teamsters, No. 192	9 00	9 00	.....	.....	.....	.....	.....	.....	.....	.....	none	weekly
Amalg. Assoc. of Street and Elec. Railway Employees of America, No. 279	11 00	11 00	18½	18½	50	50	10	10	60	60	14	5 and 20 mo.
Canadian Typographical Union, No. 1	18 35	18 35	38	38	42½	42½	5	.....	47½	47½	none	fortnightly
Stereotypers' Intern. Union of North America, No. 50	16 00	.....	33⅓	.....	43	.....	5	.....	48	.....	none	fortnightly
Printing Pressmen Union, No 5	17 50	17 50	38	38	42½	42½	5	5	47½	47½	none	wk. or fort.

Table showing earnings per week, etc.—*Continued.*

Location and Title of Organization.	Average wages per week.		Average wages per hour.		Hours of labour first 5 days.		Hours on Saturday.		Total hours per week.		Average days idle.	Period of wage payments.
	Organized.	Unorganized.	Organized.	Unorganized.	Organized.	Unorganized.	Organized.	Unorganized.	Organized.	Unorganized.		
OTTAWA.—*Continued.*	$ c.	$ c.	c.	c.								
Bricklayers' and Masons' Intern. Union, No. 14	25 00	21 50	50	40	45	45	5	9	50	54	100	fortnightly
Bartenders' Intern. League, No. 321	14 00	14 00	22½	22½	50	50	12	12	62	62	.....	wk. fort. m.
Journ. Barbers' Intern. Union of America, No. 554	12 00	10 00	16	13⅓	60	60	15	15	75	75	.....	weekly
Operative Plasterers' Intern. Association	20 00	16 25	40	32½	45	45	5	5	50	50	100	fortnightly
Leather Workers on Horse Goods, No. 162	.....	.....	.....	.....	50	.....	9	.....	59	.....	.....	weekly
Journ. Tailors' Union of America, No. 143 (Male)	12 50	10 00	24	16	45	52	9	10	54	62	.....	weekly
" " " " (Female)	8 00	6 20	15	10	45	52	9	10	54	62	.....	weekly
Intern. Association of Machinists, No. 412	15 00	8 50	27½	17½	50	50	5	5	55	55	13	weekly
United Assoc. of Plumbers, Gas Fitters, etc., No. 71	19 00	19 00	38	38	54	54	5	5	59	59	none	fortnightly
Amalg. Society of Carpenters and Joiners, No. 826	15 00	12 50	30	25	45	45	5	5	50	50	.....	wk. or fort.
Bricklayers' and Masons' Intern. Union, No. 7	25 00	21 50	50	40	45	45	5	9	50	54	100	fortnightly
Plasterers' National Union	20 00	.....	40	.....	45	45	5	5	50	50	.....	fortnightly
Journ. Stonecutters' Association of North America	19 00	.....	44	.....	40	.....	4	.....	44	.....	140	fortnightly
Carpenters' and Joiners' National Union, No. 2	16 00	16 00	33	33	45	45	5	5	50	50	.....	fortnightly
Hodcarriers' and Builders' Labourers' Union, No. 32	12 50	10 00	25	20	45	45	5	5	50	50	.....	fortnightly
Intern. Bro. of Painters', Paperhangers', etc., No. 200	15 00	15 00	30	30	45	45	5	5	50	50	90	weekly
Intern. Press Feeders' Assist. Union, No. 9	11 25	.....	23½	.....	43	.....	5	.....	48	.....	10	weekly
Intern. Bro. of Electrical Workers', No. 630	12 00	12 00	24	24	45	45	5	5	50	50	30	fortnightly
Bakers' and Confectioners' Intern. Union, No. 3	11 00	11 00	18	18	52½	52½	10	10	62½	62½	.....	weekly
Intern. Bro. of Blacksmiths and Helpers, No. 440	14 75	13 25	25	22⅔	50	50	9	9	59	59	none	weekly
Intern. Bro. of Meatcutters and Butchers, No. 466	10 00	9 50	14½	13⅔	55	55	15	15	70	70	none	fortnightly
Plumbers', Steam Fitters', etc., Assoc. of U.S. & C., No. 71	16 70	all org	38	.....	40	.....	4	.....	44	.....	none	fortnightly
Federal Labourers' Union, No. 8	10 00	10 00	17	17	50	50	9	9	59	59	25	weekly
Boiler Makers' and Iron Ship Builders' Intern. Union, No. 394	15 00	15 00	26	26	50	50	7½	7½	57½	57½	30	weekly
Musicians' Protective Association, No. 180, A. F. of M.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
OWEN SOUND:												
Intern. Bro. of Maintenance of Way Employees, No. 214	9 30	9 30	15½	15½	50	50	10	10	60	60	4	monthly
Bricklayers' and Masons' Intern. Union, No. 11	21 60	21 60	40	36	45	50	9	10	54	60	90	fortnightly
Journ. Stonecutters' Association of North America	21 60	18 00	45	30	40	50	8	10	48	60	.....	fortnightly

Order of Railway Conductors, No. 492	13 00	13 00	28	28	40	40	8	8	48	48	40	monthly
Bro. of Locomotive Firemen and Engineers (Firemen)	10 00	10 00	17	17								monthly
" " " (Engineers)	22 00	22 00	30	30								monthly
PEMBROKE:												
Intern. Bro. of Maintenance of Way Employees	9 30		15½		50		10		60	60		monthly
PETERBOROUGH:												
Journ. Barbers' Intern. Union of America, No. 402	11 00		17½		50		14		64			weekly
American Fed. of Musicians, No. 191	6 00		50									
Typographical Union, No. 248	12 00		25		40		8		48		little	weekly
Painters', Paperhangers', and Decorators' of Am., No. 379	12 00	9 75	22½	16½	45	50	9	10	54	60	30	weekly
United Bro. of Carpenters and Joiners of America, No. 672	15 00	13 50	27¾	25	45	45	9	9	54	54	72	weekly
Intern. Bro. of Maintenance of Way Employees, No. 211	9 30	9 30	16	16	50	50	10	10	60	60		monthly
Journ. Tailors' Union of America, No. 23 (Male)	9 00				45		9		54		60	w. or fort.
" " " (Female)	5 00				45		9		54		60	w. or fort.
PORT ARTHUR:												
Bricklayers' and Masons' Intern. Union, No. 25 (and Fort William)	31 00		57½		45		9		54		150	fortnightly
Intern. Association of Machinists, No. 820	18 00	18 00	30	30	45	45	9	9	54	54	30	wk. or mo.
Bro. of Locomotive Firemen and Engineers, No. 593			36	36								monthly
Typographical Union, No. 575	19 00	19 00			40		8		48		12	weekly
Intern. Bro. of Maintenance of Way Employees, No. 172	14 40	14 40	24	24	50	50	10	10	60	60	none	monthly
PORT COLBORNE:												
Unit. Bro. of Carpenters and Joiners, No. 1168	13 50	13 50	25	25	45	45	9	9	54	54	60	monthly
PORT HOPE AND COBOURG:												
Intern. Moulders' Union, No. 189	19 00	all org	37½		50	50	10	10	60	60	30	fortnightly
PRESCOTT:												
Intern. Longshoremen's Association, No. 244	18 00	9 00	35	15	50	50	10	10	60	60	90	weekly
PRESTON:												
Intern. Moulders' Union	14 50	11 25	29	22½	50	50			50	50	50	weekly
SARNIA:												
Bro. of Locomotive Firemen and Engineers, No. 221	17 00	17 00	22	22	by trip							monthly
Bro. of R. Carmen of America, No. 295 (Tunnel)	10 00		16⅔		50		10		60			weekly
Journeymen Barbers' Int. Union of America, No. 467	14 00		20		50		16		66		none	weekly
Order of Railway Conductors, No. 189	20 00	20 00	29	29	50	50	10	10	60	60		monthly
Painters, Decorators and Paperhangers of Am., No. 422	12 00	9 70	22½	18	45	45	9	9	54	54	40	weekly
Bro. of Locomotive Engineers, No. 240	By	miles	run									monthly
Un. Bro. of Carpenters and Joiners, No. 1301	13 50		25		45		9		54		85	weekly
SAULT STE. MARIE:												
Bricklayers' and Masons' International Union, No. 16	27 00	varies	50	varies	45	50	9	10	54	60	90	fortnightly
United Bro. of Carpenters and Joiners of Am., No. 1825	18 00	15 00	33⅓	25	45	50	9	10	54	60	60	fortnightly
Intern. Moulders' Union of North America	18 00	18 00	30	30	50	50	10	10	60	60	150	
Bro. of Locomotive Engineers, No 67	25 00	25 00	30	30	60	60	12	12	72	72	30	monthly
Bro. of Railway Trainmen	20 00		26½		60	60	12	12	72	72		monthly

Table showing earnings per week, etc.—*Continued.*

Location and Title of Organization.	Average wages per week.		Average wages per hour.		Hours of labour first 5 days.		Hours on Saturday.		Total hours per week.		Average days idle.	Period of wage payments.
	Organized.	Unorganized.	Organized.	Unorganized.	Organized.	Unorganized.	Organized.	Unorganized.	Organized.	Unorganized.		
	$ c.	$ c.	c.	c.								
SCHREIBER:												
Intern. Bro. of Maintenance of Way Employees, No. 260	12 00	12 00	20	20	50	50	10	10	60	60	....	monthly
SMITH'S FALLS:												
Bro. of Locomotive Firemen and Engineers, No. 479	20 00	20 00	.....	.....	.....	.....	.....	.....	.....	.....	30	monthly
Bro. of Maintenance of Way Employees, No. 136	9 30	9 30	15½	15½	50	50	10	10	60	60	.....	monthly
STRATFORD:												
Cigar Makers' International Union, No. 424	10 00	all org	21	.....	40	.....	8	8	48	.....	24	weekly
Barbers' International Union, No. 136	11 00	all org	14½	.....	60	.....	17	.....	77	.....	.....	weekly
Amalgamated Society of Engineers, No. 579	13 00	13 00	26	26	45	45	5	5	50	50	.....	monthly
Bro. of Locomotive Firemen and Engineers, No. 38	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	monthly
Bro. of Locomotive Engineers, No. 188	20 00	20 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	monthly
Typographical Union No. 139	10 00	10 00	21	18½	40	45	8	9	48	54	none	weekly
ST. CATHARINES:												
Bro. of Painters, Paperhangers and Decorators, No. 407	13 00	less	30	less	45	45	4	4	49	49	70	weekly
United Bro. of Carpenters and Joiners of Am., No 38	16 50	15 00	33	25	45	50	5	10	50	60	40	wk. or fort.
Bricklayers', Masons' and Plasterers' Union, No. 4	22 00	.....	45	.....	45	.....	5	...	50	.....	150	weekly
Barbers' Union, No. 1	12 00	.....	16	....	60	.....	16	.....	76	.....	12	weekly
Amal. Society of Carpenters and Joiners, No. 61,422	14 00	all org	33	.....	42½	.....	4½	.....	47	.....	30	weekly
Typographical Union, No. 416 (Male)	14 00	.....	29	...	40	.....	8	.....	48	.....	.....	weekly
" " " (Female)	12 00	.....	25	.....	40	.....	8	.....	48	.....	.....	weekly
Cigar Makers' International Union, No. 140	12 00	9 00	25	18	40	42	8	8	48	50	15	weekly
Journeymen Tailors' Union of America, No. 235 (Male)	10 00	less	20	less	50	50	10	10	60	60	50	weekly
" " " " " (Female)	5 00	less	10	less	50	50	10	10	60	60	50	weekly
Moulders' and Core Makers' Intern. Union, No. 385	16 00	16 00	27½	27½	50	50	9	9	59	59	.....	wk. or fort.
Metal Polishers', Buffers, etc., In. Ass., U.S. & C., No. 244	15 00	... ..	30	.....	45	.....	5	.....	50	.. .	52	weekly
ST. THOMAS:												
Bro. of Locomotive Engineers, No. 661	30 00	30 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	monthly
Order of Railway Conductors, No. 13	20 00	20 00	.....	.....	.....	.....	.....	.....	.....	.....	none	monthly
Journeymen Barbers' International Union, No. 222	13 00	10 00	19	12½	55	65	14	16	69	81	none	weekly
			18									monthly

Bricklayers' and Masons' International Union, No. 8.	21 60	16 20	40	30	45	45	9	9	54	54	75	fortnightly
Bro. of Railway Trainmen, No. 47	19 00	19 00	25	25	....	....	.....	.....	.....	.....	none	monthly
Journeymen Tailors' Union of America, No. 141 (Male)	12 00	9 00	22	16½	55	55	.....	.....	55	55	60	weekly
" " " " " (Female)	6 50	5 00	12	10	55	55	.....	.....	55	55	60	weekly
Amalgamated Society of Engineers	16 00	16 00	27	27	50	50	10	10	60	60	3	monthly
Intern. Bro. of Maintenance of Way Employees, No. 45	8 70	8 70	14½	14½	50	50	10	10	60	60	.....	monthly
Intern. Bro. of Maintenance of Way Employees, No. 291	8 70	8 70	14½	14½	50	50	10	10	60	60	none	monthly
Cigar Makers' International Union, No. 420	12 00	12 00	26½	26½	40	40	5	5	45	45	12	weekly
Amalgamated Street and Electric Railway Union, No. 486	11 00	11 00	17½	17½	52½	52½	10½	10½	63	63	12	weekly
International Association of Machinists, No. 294	16 00	13 50	29	25	45	45	9	9	54	54	12	
STEVENSVILLE:												
Intern. Bro. of Maintenance of Way Employ, No. 328	7 90	7 90	13½	13½	50	50	10	10	60	60	.....	monthly
SUDBURY:												
Bartenders' International League, No. 237	12 00	9 00	20	15	50	50	6½	6½	56½	56½	30	½wk. or mon.
Journeymen Tailors' Union of America, No. 226	15 00	15 00	25	25	50	50	10	10	60	60	50	wk. or fort.
TEMAGAMI:												
Order of Railway Telegraphers, No. 991	12 25	12 25	17	17	60	60	12	12	72	72	none	monthly
TORONTO:												
Bakers' and Confectioners' Intern. Journ. Un., No. 204	12 00	12 00	21	21	45	45	12	12	57	57	.....	weekly
Journeymen Barbers' International Un. of Am., No. 517	13 00	11 00	20	17½	50	50	14	14	64	64	60	weekly
Bartenders' Union and Benevolent Society, No. 280	13 50	13 50	20	20	65	65	10	10	75	75	.....	wk. or mon.
Intern. Alliance of Bill Posters and Billers, No. 40	9 00	9 00	12	12	60	60	16	16	76	76	90	weekly
Boiler Makers and Iron Ship Builders of Am., No. 128	13 50	.....	27	.....	50	.....	5	.....	55	.....	100	fortnightly
Intern. Bro. of Bookbinders, No. 28	16 50	16 50	34	34	43½	43½	4½	4½	48	48	10	weekly
Intern. Union Boot and Shoe Workers, No. 233 (Male)	12 00	less	25	less	45	more	4	more	49	more	21	weekly
Intern. Union Boot and Shoe Workers, No. 233 (Female)	7 00	less	15	less	45	more	4	more	49	more	21	weekly
Brass Moulders' International Union, No. 5	15 00	.....	27½	.....	50	.....	5	....	55	.....	....	fortnightly
Intern. Union United Brewery Workmen, No. 304	12 25	.....	23½	.....	47	.....	5	.....	52	.....	.....	weekly
Bricklayers' International Union, No. 2, Ont	13 00	11 70	50	45	40	40	4	4	44	44	90	fortnightly
Bridge and Structural Iron Workers, No. 4	16 25	11 75	32	23½	45	45	5	5	50	50	.....	fortnightly
Builders' Labourers' Union, No. 1	11 00	7 70	25	17½	40	40	4	4	44	44	.....	fortnightly
Amal. Soc. of Carpenters & Joiners, First Branch, No. 833	14 52	10 00	33	20	40	more	4	more	44	more	25	wk. or fort.
Amal. Soc. of Carpenters & Joiners, 2nd Branch, No. 834	14 52	10 00	33	20	40	more	4	more	44	more	60	fortnightly
Amal. Soc. of Carpenters & Joiners, 4th Branch, No. 836	14 52	13 00	33	26	40	45	4	5	44	50	....	fortnightly
Amal. Soc. of Carpenters & Joiners, 5th Branch, No. 837	11 63	.....	26	.....	40	.....	4	.....	44	.....	60	fortnightly
Amal. Soc. of Carpenters & Joiners, 6th Branch, No. 838	14 52	11 44	33	26	40	40	4	4	44	44	.....	fortnightly
Bro. of Carpenters & Joiners of America, No. 27	14 00	10 00	33	24	40	40	4	4	44	44	100	fortnightly
Bro. of Carpenters & Joiners of America, No. 1799	14 52	...	33	.....	40	.....	4	.....	44	.....	30	fortnightly
Carriage and Wagon Makers' Union, No. 85	10 00	.....	20	.....	45	.....	5	.....	50	.....	60	weekly
Cigar Makers' International Union, No. 27	10 00	.....	22½	.....	40	.....	4	.....	44	.....	60	weekly
Intern. Bro. of Electrical Workers, No. 114 (Wiremen)	.....	.....	.....	.....	40	40	4	4	44	44	.....	w. or fort.
Intern. Bro. of Electrical Workers, No. 353 (Linemen)	13 00	13 00	22	22	50	50	8	8	58	58	10	fortnightly
Amalgamated Society of Engineers, No. 666	14 00	.....	25½	.....	50	.....	5	.....	55	.....	46	w. or mo.
Intern. Union of Marine Engineers, No. 338	20 00	.....	20	.....	50	50	10	10	70	70	90	monthly
United Garment Workers of America, No. 185 (Cutters)	15 00	12 00	31	23	45	47½	4	4½	49	52	65	weekly

Table showing earnings for week, etc.—*Continued.*

Location and Title of Organization.	Average wages per week.		Average wages per hour.		Hours of labour first 5 days.		Hours on Saturday.		Total hours per week.		Average days idle.	Period of wage payments.
	Organized.	Unorganized.	Organized.	Unorganized.	Organized.	Unorganized.	Organized.	Unorganized.	Organized.	Unorganized.		
TORONTO.—*Continued.*	$ c.	$ c.	c.	c.								
Glass Bottle Blowers' Assoc. of U.S. & C., No. 66	20 00	all org	37	.....	45	.....	9	.....	54	.....	80	fortnightly
Amalgamated Glass Workers' Union, No. 21	15 00	15 00	20	30	45	45	5	5	50	50	.....	w. or fort.
Canadian Granite Cutters' Union	16 50	10 00	37½	20	40	45	4	4	44	49	9	fortnightly
Horseshoers' Intern. Union of U.S. & C., No. 49	14 25	13 50	28½	23	45	50	5	5	50	55	.....	weekly
Hotel and Restaurant Employ. In. Un., No. 334 (Cooks)	.....	.....	.....	.....	60	60	12	12	84	84	.....	w. or mo.
United Bro. of Leather Workers on Horse Goods, No. 93	9 90	less	18	less	50	50	5	5	55	55	75	fortnightly
Lithographers' Intern. Pro. and Ben. Assoc., No. 12	18 00	.....	34½	.....	47½	.....	4½	.....	52	.....	.....	weekly
Intern. Longshoremen's Association, No. 646	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	180	weekly
Intern. Association of Machinists, No. 235	14 00	14 00	27½	25½	45	50	5	5	50	55	.....	w. or for.
Intern. Association of Machinists, No. 371	15 00	11 50	27½	21	50	50	5	5	55	55	10	fort. or mo.
Intern. Assoc. of Machinists, No. 689 (Headlight Lodge)	12 00	12 00	22½	22½	50	50	5	5	55	55	none	fort. or mo.
Maltsters' Union, No. 317	12 50	.....	21	.....	50	.....	10	.....	60	.....	150	weekly
Marble Workers' Union, No. 12	15 66	13 00	29	24	45	45	9	9	54	54	25	fortnightly
Masters' and Mates' Union, No. 12,769	16 00	16 00	25	25	.....	.....	.....	.....	.....	.....	150	fortnightly
Metal Polishers', Buffers' and Platers' Union, No. 21	15 00	12 00	30	24	47½	47½	4½	4½	52½	52½	50	w. or fort.
Intern. Moulders' and Core Makers' Union, No. 28	15 00	.....	30½	.....	45	50	4½	5	49½	55	90	w. or fort.
Musical Protective Association, No. 149	16 50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	weekly
Bro. of Painters, Decorators & Paperhangers of Am, No. 3	16 00	16 00	30	30	40	40	4	4	44	44	80	w. and fort.
Bro. of Painters, Decorators & Paperhangers, No. 219	13 20	13 20	30	17½	40	60	4	12	44	72	60	weekly
Bro. of Painters, Decorators & Paperhangers, No. 757	13 20	7 70	30	17½	40	40	4	4	44	44	75	fortnightly
Photo Engravers' Union, No. 35	20 00	.....	43	.....	42½	.....	4	.....	46½	.....	.....	weekly
Piano, Organ & Mus. Instr. Workers' Intern. Un., No. 41	15 00	15 00	30	30	45	45	5	5	50	50	60	w. and fort.
Operative Plasterers' Intern. Assoc., No. 48	19 00	19 00	50	36½	40	47½	4	4½	44	52	57	fortnightly
Plasterers' Labourers' Assoc. No. 1	13 00	13 00	30	30	40	40	4	4	44	44	75	fortnightly
Bro. of Railway Carmen, No. 511	13 00	13 00	18	18	50	50	10	10	60	60	10	monthly
Order of Railway Conductors, No. 344	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	monthly
Order of Railway Conductors, No. 345	milg'e	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	monthly
Bro. of Locomotive Firemen and Engineers, No. 596	15 00	15 00	20	20	.....	.....	.....	.....	.....	.....	.....	monthly
Bro. of Railway Trainmen, No. 255	20 00	20 00	.....	.....	.....	.....	.....	.....	.....	.....	20	monthly
Bro. of Railway Trainmen, No. 322	16 00	.....	22	.....	.....	.....	.....	.....	.....	.....	.....	monthly
Street and Electric Railway Employees, No. 113	12 00	12 00	22	22	50	50	10	10	60	60	none	semi-mo.

Stereotypers' and Electrotypers' Union, No. 21	16 20	all org	35	.....	42½	.....	6½	.....	49	.....	4	weekly.
Journeymen Stone Cutters' Association of N.A.	14 00	.....	32	.....	40	.....	4	.....	44	.....	120	weekly.
Bricklayers' and Stonemasons' Intern. Union, No. 26	22 00	20 00	50	40	40	45	4	5	44	50	80	fortnightly
Journeymen Tailors' Union of N.A., No. 132 (Male)	13 00	13 00	24	less	piece	work	....	.....	... ..	.....	50	fortnightly
do do do (Female)	9 00	9 00	15½	less	piece	work	....	.....	... ..	.....	50	weekly
Journeymen Tailors' Union of N.A., No. 156 (Male)	14 00	14 00	24	24	50	50	9	9	59	59	35	weekly
do do do (Female)	9 00	9 00	15½	15½	50	50	9	9	59	59	35	weekly
Ontario Teachers' Alliance	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Intern. Bro. of Teamsters, No. 409 (Ice)	11 00	.....	17	.....	70	.....	15	.....	85	.....	100	weekly
Intern. Bro. of Teamsters, No. 457 (Coal)	12 50	9 50	21	16	50	50	10	10	60	60	30	weekly
Intern. Bro. of Teamsters, No. 495	10 00	10 00	13¾	13¾	62½	62½	10	10	72½	72½	12	fortnightly
Team Owners' Assoc., No. 1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	90	weekly
Commercial Telegraphers' Union of Am., No. 1, C.P.R.	.....	.....	.....	.....	42½	42½	8½	8½	51	51	.....	monthly
Theatrical Stage Employees, No. 58	10 00	10 00	25	25	40	40	8	8	48	48	75	weekly
Travellers' Goods & Leather Novelty Wkrs, No. 5 (Male)	11 00	11 00	21	21	47½	47½	5	5	52½	52½	22	wk. or fort.
do do do (Female)	5 00	5 00	10	10	48	48	4½	4½	52½	52½	22	wk. or fort.
Toronto Typographical Union, No. 91	17 50	12 50	35	22⅔	44	51	4	5	48	56	.....	weekly
Women's Auxiliary Typo. Union, No. 91—No. 42	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
International Feeders' Union, No. 1	11 25	11 25	25½	23½	43¾	43¾	4½	4½	48	48	30	weekly
Toronto Mailers' Union, No. 5	16 00	less	33⅓	less	42	42	4	4	46	46	8	weekly
Web Pressmen's Union, No. 1	18 00	all org	31⅓	.....	40	.....	8	.....	48	.....	.....	weekly
Upholsterers' International Union of N.A., No. 30	14 00	11 25	27½	22½	45	45	5	5	50	50	25	weekly
WELLAND:												
Amalgamated Society of Carpenters & Joiners, No. 843	14 85	11 85	27½	22½	45	45	9	9	54	54	80	weekly
United Bro. of Carpenters & Joiners of Am., No. 969	14 85	11 85	27½	22½	45	45	9	9	54	54	.....	weekly
Intern. Union of Bricklayers & Masons, No. 32	24 00	19 00	45	35	45	45	9	9	54	54	50	weekly
Moulders' International Union, No. 472	.....	.....	.....	.....	50	.....	7½	.....	57½	.....	.....	.....
WINDSOR:												
Journeymen Barbers' International Union, No. 451	12 00	.....	16	.. ..	60	.....	16	.....	76	.....	12	weekly
Bricklayers' and Masons' International Union, No. 6	26 25	.....	52½	.....	45	.....	5	.....	50	.....	.....	weekly
International Assoc. of Marine Engineers, No. 11	21 00	21 00	30	.....	60	60	12	12	72	72	75	monthly
Painters, Decorators and Paperhangers of Am., No. 629	13 50	11 25	28⅓	21	40	45	8	9	48	54	70	weekly
Order of Railway Conductors, No. 494	18 00	18 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	monthly
Bro. of Locomotive Engineers, No. 390	18 00	18 00	30	30	.....	.....	.....	.....	.....	.....	.....	monthly
Bro. of Locomotive Firemen and Engineers, No. 421	16 00	16 00	22½	22½	60	60	12	12	72	72	50	monthly
Bro. of Railway Trainmen, No. 316	22 00	22 00	.....	.....	.....	.....	.....	.....	.....	.....	none	monthly
Windsor & Walkerville Prot. Assoc. of Team Drivers, No. 1	24 00	.....	45	.. ..	45	.....	9	.....	54	.....	.....	weekly
Tobacco Workers' International Union No. 71 (Male)	12 00	.....	20	.....	50	.....	8	.....	58	... ...	20	weekly
do do do (Female)	5 00	.. ..	8½	.....	50	.....	8	.....	58	.....	20	weekly
Typographical Union, No. 553	13 00	13 00	27	24	44	49	4	5	48	54	.....	weekly
WOODSTOCK:												
Bricklayers' and Masons' Intern. Union, No. 22	18 90	.....	35	.....	45	.....	9	.....	54	.....	75	fortnightly
Bartenders' International League, No. 344	10 00	10 00	24⅓	24⅓	30	30	11	11	41	41	.....	fortnightly
Typographical Union, No. 317	12 75	12 75	24	24	45	45	8	8	53	53	.....	weekly
International Moulders' Union, No. 249	18 00	12 00	27½	20	50	50	10	10	60	60	140	weekly

DIRECTORY OF CENTRAL LABOUR ORGANIZATIONS IN ONTARIO.

Name of Organization.	Date Organized.	Name of Secretary.	Secretary's Address.	Nights of Meeting
BERLIN:				
Twin City Trades and Labour Council	1900	Otto H. Zimmer	Box 150, Berlin	2 & 4th Monds.
BRANTFORD:				
Trades and Labour Council	1886	H. Runchey	206 Chatham St.	1st & 2nd Weds
BROCKVILLE:				
Trades and Labour Council	1900	J. H. Gilroy	Brockville	Every Friday.
FORT WILLIAM:				
Trades and Labour Council	1907	F. Stephens	P. O. Box 224	2nd & 4th Weds
GALT:				
Galt and Preston Trades and Labour Council		Jas. Schofield	P. O. Box 296	
GUELPH:				
Trades and Labour Council	1898	W. B. Parker	56 Paisley Street	2nd & 4th Frids
HAMILTON:				
Trades and Labour Council	1888	W. R. Rollo	P. O. Box 323	1st & 3rd Frids.
Building Trades Council		W. Bonner	370 Wilson Street	2nd & 4th Tues
Garment Workers' District Council	1898	C. Bambrick	421 John St. North	2nd Wednesday
KINGSTON:				
Trades and Labour Council		John McGowan	62 North Street	
LONDON:				
Trades and Labour Council	1902	Chas. M. Pearce	431 Central Ave.	1st & 3rd Wed
NIAGARA FALLS:				
Trades and Labour Council		Wm. M. Church	Niagara Falls	
OTTAWA:				
Allied Trades and Labour Association	1897	Harry Langley	89 Turner Street	2nd & 4th Fri.
National Trades and Labour Council	1907	Sam Kennedy	53 Alexander St.	1st & 3rd Thur
Building Trades Council		M. F. Mead	276 Murray Street.	
Allied Printing Trades Council		W. C. Blount	375 Lyon Street	
PETERBOROUGH:				
Trades and Labour Council		Frank Turner	334 Aylmer Street	
PORT ARTHUR:				
Trades and Labour Council		Andrew Boyd	368 Wiley Street	
ST. CATHARINES:				
Trades and Labour Council		Leo T. Coyle	3 Court Street	1st & 3rd Wed
ST. THOMAS:				
Trades and Labour Council		T. M. Robinson	St. Thomas	
SARNIA:				
Trades and Labour Council	1902	Thos. C. Sloane	Sarnia	2nd & 4th Wed
STRATFORD:				
Trades and Labour Council	1900	Fred. J. Todd	Box 329, Stratford.	2nd & 4th Frid
TORONTO:				
Toronto District Labour Council	1881	R. D. Haberstock.	Labour Temple	1st & 3rd Thur
Allied Printing Trades Council		W. H. Walker	602 Givens St.	2nd Tuesday.
Building Trades Council	1905	Wm. Mettleship	19 Gibson Ave.	2nd & 4th Mon.
United Brotherhood Carpenters and Joiners District Council		Sydney Jones	Labour Temple	2nd & 4th Thu.
Managing Committee Amalgamated Society Carpenters and Joiners		A. J. Udall	26 Howie Ave.	Alternate Wed
Painters' District Council		James Hodsell	162 Jones Ave.	1st & 3rd Mon.
Garment Workers' Council.		W. F. Bush	102 Ossington Ave.	1st & 3rd Mon.

DIRECTORY OF CENTRAL LABOUR ORGANIZATIONS IN ONTARIO.—*Continued.*

Name of Organization.	Date Organized.	Name of Secretary.	Secretary's Address.	Nights of Meeting.
Metal Trades Council		Jas. Higgins	573 Perth Ave.	1st & 3rd Frids.
International Association Machinists' Council		H. Bryson	275 Arthur St.	
Iron Moulders' Board of Conference		J. H. Barnett	19 Roylat St.	
Joint Council International Brotherhood of Teamsters	1906	H. R. Barton	305 Sumach St.	2nd Monday.
ALLACEBURG:				
Trades and Labour Council		Jas. Lucas	Box 219, Wallaceburg	
INDSOR:				
Trades and Labour Council		L. J. Wilber	39 Wellington Ave.	1st & 3rd Weds.
OODSTOCK:				
Trades and Labour Council		G. Childs	Woodstock	

ONTARIO INDUSTRIAL STATISTICS.

The returns of the schedules sent out to the manufacturers of the Province have continued to increase in number, there being 652, as compared with 592 last year, and 427 and 205 the two preceding years. The rule of regarding this information as confidential has been strictly observed as heretofore, the individual establishments not having their names published, but being indicated only by an office number so that their identity is not disclosed, and those who object to publicity being given to their affairs need be under no apprehension of this occurring. It would be well, and greatly appreciated, if more manufacturers would send in these returns; but as they are classified under 32 groups they give a sufficient representation of the various manufacturing industries of the Province.

Of the 652 returns that have been received 42 do not give sufficiently full particulars to be tabulated, so that the tables contain 610 against 536 last year and 384 and 153 in the two previous years. It is satisfactory that in a greater number of returns there are fewer incomplete, as last year there were 56 out of 592. These tables show that 39,156 persons were employed with aggregate wages amounting to $16,681,496, and product to $95,479,586; that the aggregate number of days in operation was 172,473, the average annual wage was $443.99 and the average daily wage $1.58. That these figures do not show a continued increase as previously, and even in some cases a decrease, is attributable to two reasons: First, the world-wide commercial depression in 1908, which fortunately affected Ontario and all Canada less than most countries, with speedier recovery; and, secondly, that there were a greater number of returns from smaller industries, while some of the larger establishments reporting previously either failed to do so this year or gave incomplete returns, preventing them from being included in the second table. There seemed to be an unwillingness to report their decreased operations in 1908, and some of those who did so stated that they were recovering from the depression and even increasing their operations with a good outlook before them. In the column in the second table showing the percentage of wages as compared with gross product the average was 28.25, an increase over the 25.34 per cent. of the previous year.

RETURNS IN DETAIL

LUMBER MANUFACTURERS.

Office No.	Capital employed, including plant.	No. days in operation during year 1908.	Gross value of products manufactured during year.	Production during year. Increased.	Production during year. Decreased.	Taxes paid during year.	Insurance paid during year.	Amount expended on permanent repairs or plant enlargement.	Other uncontrollable expenses.	Total No. of employees, wage-earners only. Male.	Female.
	$		$	%	%	$	$	$	$		
1	1,484,000	200	775,000	.....	33⅓	.....	20,000	50,000	.....	350	20
2	50,000	150	70,000	no	no	520	1,200	.....	.....	30	.....
3	971,132	142	346,706	.....	9	1,070	12,304	.....	5,738	241	.....
4	235,000	200	225,000	.....	yes	769	7,071	.....	.....	320	.....
5	25,000	30	6,000	.....	50	50	225	.....	.....	25	.....
6	200,000	150	500,000	no	no	500	6,600	6,000	.....	175	.....
7	126,000	142	375,000	no	no	590	7,250	4,300	.....	162	.....
8	200,000	200	600,000	.....	40	2,961	15,000	.....	.....	600	.....
9	475,000	195	460,000	.....	20	695	18,922	40,000	.....	550	.....
10	80,000	300	12,000	.....	yes	110	250	6,000	.....	15	1
11	12,000	280	.....	.....	20	30	105	300	.....	3	.....
12	50,000	225	30,000	.....	30	87	950	1,000	.....	45	.....
13	300,000	150	175,000	.....	25	700	2,550	2,500	.....	110	.....
14	100,000	200	60,000	no	no	.....	1,500	3,000	10,000	75	.....
15	70,000	300	150,000	no	no	300	1,500	2,000	.....	100	1
16	275,000	148	221,000	.....	.....	500	6,000	.....	.....	120	.....
17	40,000	305	.....	20	.....	300	500	.....	.....	23	.....
18	31,000	240	50,000	no	no	152	409	5,300	200	15	.....
19	15,000	315	55,000	20	.....	.....	80	750	.....	7	.....
20	.....	150	80,000	.....	20	300	.....	.....	.....	40	.....
21	75,000	100	15,000	.....	.....	268	1,288	.....	.....	45	.....
22	14,000	150	23,000	no	no	45	60	600	.....	30	.....
23	10,000	300	10,000	no	no	130	270	.....	.....	5	1
24	2,000	200	.....	.....	.....	.....	50	200	.....	4	.....
25	72,000	180	450,000	no	no	1,000	9,000	.....	.....	350	.....
26	200,000	240	.....	.....	yes	500	2,000	6,000	.....	81	1
27	125,000	150	100,000	no	no	400	2,500	1,000	.....	50	.....
28	350,000	210	225,000	no	no	94	10,000	1,500	.....	125	.....
29	120,500	306	350,000	20	.....	1,500	900	27,500	.....	15	5
										PLANING MILLS, SASH AND DOOR	
30	35,000	300	40,000	10	.....	300	.....	.....	.....	30	.....
31	50,000	308	127,000	no	no	511	1,485	1,150	2,500	58	1
32	50,000	305	20,000	.....	.....	410	.....	1,000	.....	28	1
33	110,000	292	56,252	.....	30	537	1,407	.....	8,658	35	1
34	75,000	300	125,000	no	no	604	1,927	1,500	7,000	120	.....
35	18,000	275	38,750	.....	15	155	210	.....	.....	10	.....
36	50,000	305	.....	.....	10	307	650	.....	.....	7	1
37	11,800	307	29,400	7	.....	50	2,500	.....	.....	4	.....
38	290,000	300	200,000	.....	30	1,500	2,900	.....	7,800	.....	.....
39	80,000	300	47,000	.....	37	130	520	700	2,768	20	.....
40	40,000	200	.....	.....	.....	167	597	.....	931	10	.....
41	8,000	.....	.....	.....	.....	108	100	900	.....	8	.....
42	5,534	295	53,850	4	.....	30	155	70	925	11	.....
43	18,900	300	54,000	.....	30	110	357	1,000	1,255	20	.....
44	60,000	300	125,000	10	.....	258	1,400	10,000	.....	50	.....
45	125,000	300	140,000	.....	33	320	1,000	.....	.....	35	.....
46	60,000	305	87,000	.....	20	400	270	.....	.....	35	.....
47	53,716	300	35,000	.....	10	429	749	500	.....	36	.....
48	75,000	275	50,000	.....	10	608	650	.....	.....	30	.....
49	94,000	300	75,000	yes	.....	1,100	400	.....	.....	30	.....
50	100,000	300	115,000	.....	10	676	1,225	955	1,060	55	.....
51	5,000	300	8,172	20	.....	33	75	.....	350	5	.....
52	38,000	300	33,000	.....	20	56	372	483	2,760	13	.....
53	300,000	300	.....	.....	.....	80	60	.....	.....	...	.....
54	75,000	310	127,000	.....	2½	570	2,600	1,200	3,000	38	.....
55	30,000	300	51,000	.....	.....	600	568	1,000	.....	30	.....
56	175,000	300	350,000	.....	.....	400	2,500	4,000	4,000	112	.....

FROM MANUFACTURERS.

SAWMILLS.—TABLE No. 1.

Total wages paid during year to wage-earners.		Weekly wages paid.				Total No. salaried clerks and officials.		Total salaries paid to clerks, officials, etc., during year.	Wages during year have—		Class of employees affected.		Office No.
		Male.		Female.									
Male.	Female.	Skilled.	Unskilled.	Skilled.	Unskilled.	Male.	Female.		Increased.	Decreased.	Wage-earners.	Clerks, officials, etc.	
$	$	$ c.	$ c.	$ c.	$ c.			$		%	%	%	
175,000	3,500	36 00	8 25		6 50	10		20,000		10	unskill		1
16,000		19 50	10 50			3	2	4,500	no	no			2
70,211		17 50	9 00			5	1	11,320	no	no			3
71,000		24 00	9 00			4	1	3,200		8	8		4
1,200		15 00	9 00			1		600	no	no			5
50,000		11 00	average			5		3,000	no	no			6
55,000		21 00	10 20			4	2	5,300		10	unskill		7
		21 00	9 00			20							8
116,300		7 00	average			8	1	12,900		5	5		9
10,000	350				7 00	1	1	850	no	no			10
1,300		9 00	7 50			1			no	no			11
18,000		22 50	9 45			2		2,000	no	no			12
45,000		30 00	12 00			5		4,500		8	8		13
29,000		16 50	10 50			6	1	5,000	no	no			14
50,000	600	15 00	8 25	12 00		2	1	3,600	no	no			15
46,310		22 50	10 50			5		7,000	no	no			16
10,800		12 00	average			2		1,800	no	no			17
6,555		15 00	9 00			1		1,200	no	no			18
2,200		10 50	7 50						no	no			19
20,000		18 00	9 00										20
7,612		16 50	9 00			4		3,700	no	no			21
5,000		9 00	7 50						15		15		22
1,500	180	10 50	9 00		3 50	1		800	no	no			23
		9 60	8 00						no	no			24
80,000		21 00	8 25			3		3,500		10	10		25
10,000	600	19 50	10 50	12 00					no	no			26
12,000		21 00	9 00			3		2,500	no	no			27
50,000		27 75	9 75						no	no			28
12,530	300	24 00	9 00		4 80	4		5,000	5		5	10	29

FACTORIES, ETC.—TABLE No. 2.

10,000		12 00	9 00			2		2,000	no	no			30
23,085	350	11 00	8 50	6 00		1	1	1,150					31
14,000	360		10 00	7 00		1	1	1,500		yes		yes	32
17,204		14 40	7 00			5	1	6,336		10	10		33
60,000		17 25	9 75			4		3,000		10	unskill		34
4,250		13 00	8 50						no	no			35
4,160	520	12 00	average	10 00		1	1		no	no			36
1,820		10 00	average						no	no			37
46,000		14 00	10 00			9	1	10,500	no	no			38
7,764		13 50	9 00			2		1,248	no	no			39
6,575		13 50	8 00			2		2,436					40
4,000		16 50	9 00						no	no			41
6,369		16 00	9 00			2		1,092	no	no			42
9,600		12 00	7 50			2		1,600	no	no			43
22,200		12 00	7 25			5		4,810	no	no			44
22,000		14 50	9 00			3	1		no	no			45
18,000		12 50	9 00			1	1	1,500		6			46
22,405		14 50	8 50			4		2,947	no	no			47
12,000		15 00	9 00			5		5,000	no	no			48
17,280		12 00	10 00			2		2,000	no	no			49
29,032		16 00	9 00			3		2,548	no	no			50
3,000		13 50	7 50										51
4,223		6 50	average			2	1	2,405		8			52
													53
17,000		15 75	9 00			3		2,400					54
15,768		15 00	9 00			4		2,000	no	no			55
34,000		19 12	9 00			6	4	10,100	yes		5	skill	56

RETURNS IN DETAIL

WOODWORKING FACTORIES, SPECIALTIES

Office No.	Capital employed, including plant.	No. days in operation during year 1908.	Gross value of products manufactured during year.	Production during year.		Taxes paid during year.	Insurance paid during year.	Amount expended on permanent repairs or plant enlargement.	Other uncontrollable expenses.	Total No. of employees, wage-earners only.	
				Increased.	Decreased.					Male.	Female.
	$		$	%	%	$	$	$	$		
57	20,000	300	75,000	no	no	188	347			30	
58	25,000	300	14,500		1		6,500			18	
59	20,000	298	7,000	no	no	98	187			12	
60	5,000	307	4,000	no	no		45				
61	80,000	300	150,000		20	900	560			35	25
62	25,000	250	40,000	10		142	275	349	18,063	38	
63	1,200	305	17,093		30	186	200	250		8	
64	3,000	300	5,000	10		64	50	5	250	6	
65	100,000	300	250,000		10	517	527			20	80
66	30,000	305	47,500		10	256	990			60	
67	500,000	300	412,000	30		1,168	3,274		20,000	65	
68	290,000	300	180,000		10	450	692	1,457	13,520	115	15
69	50,000	225	60,000	10			5,000	1,000		50	
70	60,000	305	110,000	10			230	16,500		23	
71	57,902	305	84,786		4	104	1,171		5,048	43	
72	50,000	300	75,000	10		50	300	1,000		30	
73	20,000	310	15,000		10	50	44	2,000		10	
74	6,000	305	4,600		25	71	162	50	90	7	
75	20,000	300	48,000	10		28				23	3
76	30,000	305	25,000	yes			500			10	25
77	7,000	300	6,500	7½		58	43			3	1
78	25,000	300	33,000	10		150	350		1,500	30	
79	43,967	300	29,691		40	85	650	1,000	2,698	29	
80	40,000	305	132,000			225	600			60	
81	75,000	305	95,000	no	no	340	2,200	1,850		90	10
82	50,000	280	32,000	no	no	108	380	500	400	25	
83	100,000	250	84,100		14	60	1,150		9,000	50	
84	8,000	300	9,000	yes		60	35			9	1
85	10,000	300	24,000	20		19	45			3	
86	10,000	250	5,000		5	138	100			5	

FURNITURE MANUFACTURERS; BANK, STORE

87	292,000	295	174,250	no	no	190	3,850			140	2
88	20,000	300	50,750	no	no	148	1,336	7,707		55	
89	400,000	250	216,212		20	257	3,862		5,000	175	25
90	110,000	300	44,000	no	no	200	275		11,300	30	
91	68,000	250	50,000		33⅓	283	1,410		3,228	35	2
92	40,000	283	32,000		20	100	525		850	30	1
93	20,000	300	43,252		17	42	530	500	648	45	
94	10,000	305	37,000			220	200			10	3
95	100,000	300	107,000		20		1,500		5,000	43	2
96	250,000	310	203,520	10		850	2,000		10,000	70	13
97	100,000	41	10,000			632	1,576			3	2
98	33,700	300	53,812	30		114	506	2,500		41	
99	50,000	305				500	900	600		35	3
100	100,000	300	100,000			292	413			50	
101	9,000					36	150				
102	1,500	200	2,474			39	45	25		1	
103	60,000	275	100,000	10		450	1,675			98	3
104	20,000	290	50,000		20	65	300			25	7
105	25,000	288	20,000	10		325	300	400		10	3
106	200,000	305	250,000		20	1,000	3,000	3,000		80	5
107	90,000	280	65,000	30		284	2,500			60	
108	100,000	275	100,000	no	no	300	250	3,000		65	
109	71,000	300	98,000		38½	278	2,281		2,500	100	4
110	100,000	300	90,000	10		375	1,200			75	
111	46,000	303	53,000		13	119	1,575	963		50	1

FROM MANUFACTURERS.

IN WOODEN WARE.—TABLE NO. 3.

Total wages paid during year to wage-earners.		Weekly wages paid.				Total No. salaried clerks and officials.		Total salaries paid to clerks, officials, etc., during year.	Wages during year have—		Class of employees affected.		Office No.
		Male.		Female.									
Male.	Female.	Skilled.	Unskilled.	Skilled.	Unskilled.	Male.	Female.		Increased.	Decreased.	Wage-earners.	Clerks, officials, etc.	
$	$	$ c.	$ c.	$ c.	$ c.			$	%	%	%	%	
15,000	.....	10 00	average	.....	.....	.....	.....	.....	no	no	.....	.....	57
6,000	.....	12 00	5 00	.....	.....	2	....	2,000	no	no	.....	.....	58
6,000	.....	15 00	9 75	.....	.....	1	1	.....	no	no	.....	.....	59
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	60
15,000	8,000	12 00	average	5 25	aver.	4	3	3,500	no	no	.....	.....	61
11,737	... ..	11 25	8 50	.....	.....	2	1	2,400	no	no	.....	.....	62
4,774	.....	12 00	10 00	.....	.....	.....	.....	.....	no	no	.....	.....	63
2,500	.....	19 00	9 50	.....	.....	.....	.....	.....	10	...	10	.....	64
24,635	both	5 00	average	or all		12	12	.....	.....	.....	.....	.....	65
23,500	.....	12 00	7 00	.....	.....	4	1	4,000	yes	.....	.....	.....	66
38,207	.....	12 00	8 00	.....	.....	13	2	14,600	20	.....	.....	20	67
47,500	4,000	12 00	8 00	9 00	6 00	8	7	9,052	5	....	5	5	68
18,000	.....	9 50	average	.....	.....	.....	.....	.....	yes	.....	.....	.....	69
11,400	.....	10 20	average	.....	.....	2	4	3,396	10	.....	.....	10	70
18,168	.....	7 20	average	.....	.....	2	....	3,800	no	no	.. ....	.....	71
12,000	.....	12 00	10 00	.....	.....	2	....	2,000	no	no	.....	.....	72
5,000	.....	12 00	8 00	.....	.....	.....	.....	.....	no	no	.....	.....	73
2,600	.....	7 15	average	.....	.....	.....	.....	.....	.....	.....	.....	.....	74
13,000	both	10 00	average	for all		.....	.....	.....	.....	.....	.....	.....	75
7,000	both	4 00	average	for all		.....	.....	.....	.....	.....	.....	.....	76
1,456	312	12 50	4 00	6 00	3 50	.....	.....	.....	no	no	.....	.....	77
12,000	.....	10 50	7 50	.....	.....	1	....	900	no	no	.....	.....	78
10,609	.....	12 50	8 50	boys	4 75	2	....	1,630	no	no	.....	.....	79
25,000	.....	12 00	6 75	.....	.....	1	1	1,300	.....	.....	.....	.....	80
35,000	4,000	15 00	9 75	.....	6 50	1	1	900	no	no	.... ..	.....	81
8,500	.....	15 00	9 00	.....	.....	.....	.....	.....	no	no	.....	.....	82
14,000	. ...	.....	7 50	.....	.....	3	1	3,000	.....	.....	.....	.....	83
3,000	.....	12 00	4 50	.....	.....	.....	.....	.....	yes	.....	.....	.....	84
1,560	.....	13 50	9 00	.....	.....	1	1	2,112	5	.....	.....	5	85
2,000	.....	12 00	9 00	.....	.....	.....	.....	.....	no	no	.....	.....	86

AND OFFICE FITTINGS.—TABLE NO. 4.

45,000	450	10 50	7 80	.....	4 50	7	2	7,650	.....	.....	.....	.....	87
19,168	.....	10 50	8 10	.....	.....	1	....	1,000	no	no	.....	.....	88
93,000	5,000	10 60	5 75	.....	4 00	14	8	10,000	10	....	10	10	89
15,500	.....	13 50	10 50	.....	.....	3	....	4,300	.....	5	5	.....	90
11,034	375	9 00	.....	.....	4 00	4	2	5,902	no	no	.....	.....	91
9,300	.....	10 80	7 50	.....	.....	1	1	1,250	.....	10	.....	.....	92
16,414	.....	13 50	7 50	.....	.....	2	....	1,708	no	no	.....	.....	93
3,000	1,000	Piece Work		.....	.....	.....	.....	.....	no	no	.....	.....	94
17,000	800	13 50	9 75	9 00	.....	3	2	7,000	no	no	.....	.....	95
35,000	3,200	14 00	10 00	8 00	4 00	10	3	15,000	.....	.....	.....	.....	96
1,600	572	.....	.....	.....	.....	1	1	1,300	no	no	.. ..	.....	97
13,082	.....	9 00	7 50	.....	.....	1	1	1,200	no	no	.....	.....	98
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	99
21,000	.....	12 00	6 00	.....	.....	2	....	2,000	no	no	.....	.....	100
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	101
600	.....	10 50	.....	.....	.....	.....	.....	.....	no	no	.....	.....	102
36,500	750	15 00	8 25	6 00	4 50	3	1	2,253	.....	5	unskill	.....	103
10,000	both	12 00	7 50	6 00	.....	.....	.....	.....	.....	.....	.....	.....	104
3,000	300	12 00	7 50	6 00	3 00	.....	.....	.....	no	no	.....	.....	105
52,600	2,500	13 00	8 50	8 00	.....	18	2	10,000	.....	20	20	20	106
20,000	.....	12 75	6 75	.....	.....	1	1	2,000	no	no	.....	.....	107
25,000	.....	12 00	8 00	.....	.....	3	....	3,500	10	....	10	.....	108
35,392	1,240	12 00	7 00	6 75	4 30	5	1	4,970	.....	.....	.....	.....	109
30,000	.....	11 25	8 25	.....	.....	2	2	3,000	5	....	5	5	110
18,650	.....	9 30	7 50	.....	.....	1	1	1,400	no	no	.....	.....	111

RETURNS IN DETAIL

Furniture Manufacturers; Bank, Store

Office No.	Capital employed, including plant.	No. days in operation during year 1908.	Gross value of products manufactured during year.	Production during year. Increased.	Production during year. Decreased.	Taxes paid during year.	Insurance paid during year.	Amount expended on permanent repairs or plant enlargement.	Other uncontrollable expenses.	Total No. of employees, wage-earners only. Male.	Total No. of employees, wage-earners only. Female.
	$		$	%	%	$	$	$	$		
112	55,000	305	83,000	no	no	500	1,250	....	.....	65	1
113	155,667	301	78 867	10	.. ...	162	300	500	.....	50	.....
114	190,457	275	255,381	.....	11	467	1,388	.....	30,015	185	.....
115	145,000	350	130,000	10	.....	400	500	2,000	.....	75	... ..
116	428,000	277	300,000	... ..	yes	.....	1,458	39,504	.....	238	21
117	65,991	149	35,035	.....	37	334	656	950	4,889	30	.....

Carriages and Other Vehicles and Parts

118	25,000	300	35,000	.....	12½	40	500	.....	.....	15	1
119	131,576	266	68,228	.....	10	305	1,645	7,238	6,414	40	.....
120	250,000	312	268,167	.....	32	571	3,990	.....	6,548	95	3
121	195,100	300	333,988	20	.....	2,150	3,206	8,500	.....	260	1
122	.....	285	248,274	.....	22½	300	2,840	.....	.....	130	3
123	20,000	300	20,000	.....	.....	108	69	... ...	.....	10	.....
124	15,000	279	39,565	... ..	16½	81	112	.....	.....	30	8
125	75,000	191	30,000	.....	50	63	930	.....	.....	10	1
126	200,000	305	534,912	.. ...	30	500	5,683	2,324	.....	300	6
127	14,500	305	13,000	no	no	467	63	.....	.....	10	.....
128	.....	270	.....	no	no	294	.....	2,000	.....	45	2
129	75,000	250	60,000	no	no	76	700	.....	.....	30	.....
130	150,000	300	165,000	.....	42	1,800	3,642	.....	34,000	75	3
131	100,000	180	75,000	.....	.....	300	1,500	.....	5,000	30	2
132	71,034	310	20,000	.....	.....	445	295	505	.....	16	.....
133	.....	290	150,000	.... .	.....	600	1,200	1,000	.....	50	.....
134	25,000	290	15,838	no	no	141	436	.....	.....	8	1
135	25,000	300	30,000	no	no	50	500	... ...	15,000	15	1
136	384,155	305	196,486	.. ...	yes	605	3,126	1,500	9,200	80	.....
137	200,000	250	200,000	.....	.....	1,100	1,800	.....	.....	150	.....
138	125,000	250	200,000	.....	12	550	2,700	.....	780	80	1

Agricultural Implements, Farming Hand

139	150,000	240	19,877	.... .	....	204	806	.....	.....	25	.....
140	103,000	300	85,000	13⅓	.....	178	93	.....	.....	30	1
141	450,000	250	200,000	.....	15	200	3,150	.....	24,500	50	... ..
142	12,825	300	11,000	.....	.....	31	135	.. ..	376	8	.....
143	.....	257	6,500	yes	.....	120	98	250	.....	8	.....
144	18,100	300	26,232	.....	8	95	425	.....	.....	12	.....
145	49,100	300	22,000	15	.....	125	260	2,550	2,211	12	8
146	60,000	305	51,000	20	.....	92	228	6,300	.....	26	1
147	700,000	250	180,000	.....	.....	3,000	5,000	5,000	100,000	100	.....
148	250,000	305	250,000	no	no	360	2,504	.....	.....	60	both
149	200,000	300	147,095	.....	.....	.....	.....	.....	.....	60	.....
150	100,000	280	100,000	30	.....	98	335	1,368	13,500	30	.....
151	263,000	300	151,000	.....	12	372	2,078	.....	2,300	100	2
152	600,000	250	500,000	no	no	187	3,500	.....	.....	150	30
153	100,000	305	150,000	20	.....	60	240	20,000	.....	28	4
154	38,000	305	74,500	yes	.....	173	360	.....	.....	31	.....
155	10,000	300	10,500	15	.....	125	75	300	.....	6	1
156	250,000	312	100,000	20	.... .	528	820	.....	.....	70	1
157	130,000	228	25,000	25	.....	204	956	.....	.....	20	.....

FROM MANUFACTURERS.

AND OFFICE FITTINGS.—TABLE No. 4.—Continued.

Total wages paid during year to wage-earners.		Weekly wages paid.				Total No. salaried clerks and officials.		Total salaries paid to clerks, officials, etc., during year.	Wages during year have—		Class of employees affected.		Office No.
		Male.		Female.									
Male.	Female.	Skilled.	Unskilled.	Skilled.	Unskilled.	Male.	Female.		Increased.	Decreased.	Wage-earners.	Clerks, officials, etc.	
$	$	$ c.	$ c.	$ c.	$ c.			$			%	%	
19,000		12 00	9 00			3		4,500	no	no			112
20,578		13 50	8 25			4		1,150	no	no			113
72,279		12 00	9 70			17		24,000	no	no			114
36,000		15 00	9 00			3	3		no	no			115
84,396	3,871	7 71	average	4 02	aver.	7	5	15,530		10	10	10	116
10,712		14 25	6 00			1		900	no	no			117

THEREOF AND MOTORS.—TABLE No. 5.

7,000	300	9 50	average	6 00					no	no			118
19,987		15 00	9 45			1	1	2,833	no	no			119
50,520		13 50	9 00	6 00		10	2	14,100	no	no			120
118,345	260	12 60	9 00	4 50		7	2	8,900	no	no			121
53,856	478	9 00	average		3 25	5	3	4,342	no	no			122
3,500		13 50	5 00			1		1,000					123
9,230	2,002	18 00	9 00	10 50	4 50	2	1	4,166	no	no			124
3,346		10 50	average			1	1	1,400	no	no			125
126,646	2,562	13 50	8 50	8 50		8	2	17,280	no	no			126
5,700		14 25	9 00			1		300	no	no			127
						2	1	2,270	no	no			128
10,000		13 50	9 75			1	1	1,500	no	no			129
28,000	both	14 25	6 00		4 10	14	3	15,000					130
11,500	600	14 25	9 75	10 00		3	2	5,750	no	no			131
7,100		12 00	7 50						no	no			132
15,000		12 00	9 00			1	1						133
3,768	312	12 00	9 00	6 60		1	1	1,092	no	no			134
7,500	250	10 00	average	5 00			1	250	no	no			135
36,111		14 80	average			7	1	10,546	yes				136
55,000		15 00	8 00			5	1	6,760	no	no			137
29,400	500	15 00	9 00	10 00		2	1	2,500	no	no			138

TOOLS AND DAIRY MACHINERY.—TABLE No. 6.

6,533		12 00	7 50			1	1	800	no	no			139
10,000	300	11 00	5 50	6 00		3	1	3,660	5		5		140
34,000		15 00	8 25			10	2	13,250	no	no			141
2,881		12 00	7 50			1		1,200		yes			142
2,700		12 00	7 50						no	no			143
6,880		11 50	average			3		2,342	10		10		144
5,300	1,300	15 00	10 50	4 50	3 00	2		1,975	8		8		145
9,500		14 20	9 90		3 00				no	no			146
		15 50	9 00			15		20,000	no	no			147
15,000	both	5 00	average	for all		3	2	5,000	no	no			148
35,597		11 86	average			6							149
13,771		12 00	9 50			1	1	5,600					150
35,000	700	13 50	9 00	7 00		7	2	7,500					151
55,000	both		9 50		6 00	10	2	15,000					152
12,000	both	7 35	average	for all		2	4	4,200	5		5	5	153
9,850		15 00	8 25			3		2,600	no	no			154
2,500	200	15 00	9 00		6 00				no	no			155
35,000	500	15 00	10 35	12 00		4	1	6,500	no	no			156
6,500		11 70	6 75			2	1	1,600					157

RETURNS IN DETAIL

Piano, Organ and Musical Instrument

Office No.	Capital employed, including plant.	No. days in operation during year 1908.	Gross value of products manufactured during year.	Production during year. Increased.	Production during year. Decreased.	Taxes paid during year.	Insurance paid during year.	Amount expended on permanent repairs or plant enlargement.	Other uncontrollable expenses.	Total No. of employees, wage-earners only. Male.	Total No. of employees, wage-earners only. Female.
	$		$	%	%	$	$	$	$		
158	162,528	295	123,732	.....	20	669	1,638	.....	2,324	100	1
159	10,000	150	7,000	.....	.....	114	173	1,500	.....	12	.....
160	1,000	290	3,300	.....	20	....	13	.....	.....	2	.....
161	35,000	300	68,846	.....	10	125	275	.....	.....	30	.....
162	35,000	305	65,000	10	.....	.....	1,175	500	.....	50	.....
163	100,000	305	50,000	.....	20	475	450	1,500	.....	45	.....
164	100,000	285	54,216	.....	14	339	575	.....	2,515	33	.....
165	35,000	300	50,000	.....	20	260	235	.....	.....	20	.....
166	900,000	250	350,000	.....	25	1,500	5,000	.....	30,000	270	.....

Wood-Pulp Factories, Paper Mills, Stationery

167	75,000	270	31,000	.....	25	240	160	.....	.....	12	.....
168	10,000	305	25,000	no	no	36	79	.....	.....	5	18
169	1,182,700	310	850,000	.....	14	7,161	3,024	5,962	18,013	280	14
170	18,000	290	15,300	10	.....	97	240	500	.....	9	.....
171	10,000	.....	.....	.....	.....	.....	116	4,000	.....	5	28
172	10,000	300	30,000	8	.....	64	136	.....	.....	3	20
173	28,000	300	65,000	.....	.....	89	450	.....	.....	18	60
174	4,000	305	20,000	no	no	73	138	560	.....	4	16
175	20,000	300	25,000	15	.....	53	174	2,300	15,010	3	9
176	92,500	300	104,000	no	no	135	422	3,500	.....	48	18
177	190,000	303	185,000	no	no	488	600	4,800	3,950	45	4
178	27,000	305	40,000	.....	8	.....	.....	.....	.....	15	.....
179	2,000	305	.....	.....	16	11	15	.....	.....	3	7
180	700,000	260	439,237	.....	.....	1,324	1,369	.....	410,841	150	45
181	25,000	300	60,000	.....	10	250	200	.....	.....	6	20
182	30,000	250	45,000	.....	.....	173	.....	10,000	.....	16	.....

Foundries and Rolling Mills, Bridge and Structural

182	395,000	300	225,000	.....	30	2,400	3,520	.....	30,800	207	.....
183	250,000	260	371,814	.. ..	17	308	992	.....	.....	148	.....
184	150,000	263	315,362	.....	31	640	1,433	.....	.....	100	.....
185	500,000	276	355,336	.....	.....	453	2,333	.....	.....	218	.....
186	10,000	271	39,856	.....	20	91	175	.....	.....	35	.....
187	48,000	275	41,000	.....	40	400	410	500	15,000	30	.....
188	30,000	305	8,000	2	.....	59	90	560	.....	5	.....
189	25,000	300	51,441	20	.....	.....	13,000	10,000	.....	35	.....
190	800,000	300	796,000	30	.....	2,400	500	.....	.....	250	.....
191	30,000	250	40,000	.....	.....	108	254	1,500	3,646	25	.....
192	190,000	300	150,000	no	no	550	150	5,000	1,000	110	1
193	74,000	300	115,000	... ..	10	249	377	.....	.....	80	.....
194	40,000	300	32,000	.....	30	275	22,000	....	.....	28	.....
195	183,000	260	310,000	.....	22½	1,157	1,009	....	.....	120	.....
196	30,000	300	.....	.....	.....	120	90	.....	.....	13	.....
197	50,000	304	24,395	.....	33⅓	324	297	....	75	20	.....
198	15,000	300	12,000	no	no	306	136	300	.....	16	.....

FROM MANUFACTURERS.

FACTORIES.—TABLE No. 7.

Total wages paid during year to wage-earners.		Weekly wages paid.				Total No. salaried clerks and officials.		Total salaries paid to clerks, officials, etc., during year.	Wages during year have—		Class of employees affected.		
		Male.		Female.									
Male.	Female.	Skilled.	Unskilled.	Skilled.	Unskilled.	Male.	Female.		Increased.	Decreased.	Wage-earners.	Clerks, officials, etc.	Office No.
$	$	$ c.	$ c.	$ c.	$ c.			$	%	%	%	%	
32,258	250	15 00	8 00	5 00		4	1	5,000	no	no			158
1,200		9 00	4 50										159
615		9 60	4 50						no	no			160
12,500		11 00	6 00				1		no	no			161
20,000		8 00	average			3		2,331	yes				162
13,000		13 25				2		2,300	no	no			163
14,043		15 00	8 00			1	2	2,824	no	no			164
11,000		15 00				4	1	4,000					165
103,000		15 00	9 00			7	1	12,000		5	5	5	166

FACTORIES.—TABLE No. 8.

7,800		10 50	9 00						no	no			167
2,800	3,000	12 75	5 25	6 00	2 25		1	400	no	no			168
151,962	3,042	16 50	7 50	4 20	aver	9	3	13,791	no	no			169
3,600		15 00	7 20						no	no			170
		10 50	4 00	6 50	3 50								171
2,300	5,000	14 00		8 00	3 00				no	no			172
9,000	14,000	15 00	6 50	9 00	4 50	3	2	3,900					173
2,420	3,682	12 00	average	4 00	aver								174
1,500	1,200	9 00	6 00	5 50	4 75	2	2	3,350	no	no			175
31,300	both	9 50	average	for	all	17	5	26,426	no	no			176
21,513	1,700	12 75	7 80	5 10	4 50	3	1	4,820	no	no			177
5,151		6 75	average			1	2		no	no			178
1,425	1,175	13 00	3 50	5 00	3 00				no	no			179
55,177	9,500	17 25	8 40	9 00	4 20	9	1	14,882	no	no			180
3,000	5,000	15 00	6 00	6 00	3 00	2	2	2,000	no	no			181
8,400		12 80	average			2		2,400	20		20		181a

IRON WORKS.—TABLE No. 9.

			$ c.	$ c.	$ c.								
86,080		8 33	average			14	3	22,570	28	28			182
63,963		10 00	average			7	1	7,842	yes				183
59,280		13 50	average			7		6,624	yes				184
108,240		11 00	average			11	1	16,530					185
19,748		17 50	10 75						no	no			186
19,000		18 75	11 00			3	1	3,450	no	no			187
4,000		9 00							no	no			188
13,926		13 50				3		2,026	25		25	25	189
94,573		18 00	11 00			35	3	48,375	no	no			190
14,370		12 00	9 00				1	520					191
52,000	546	15 00	10 50	10 50		6	1	9,116	no	no			192
50,205		18 75	9 00						no	no			193
12,500		15 00	8 25			3		3,000	10				194
55,700		19 00	11 50			5		14,900	no	no			195
5,850		10 50	7 50			3		1,000	no	no			196
12,545		17 50	9 75			1		780	5		5		197
6,000		14 00	9 00						no	no			198

RETURNS IN DETAIL

Stove Manufacturers, Hot Air Furnaces

Office No.	Capital employed, including plant.	No. days in operation during year 1908.	Gross value of products manufactured during year.	Production during year. Increased.	Production during year. Decreased.	Taxes paid during year.	Insurance paid during year.	Amount expended on permanent repairs or plant enlargement.	Other uncontrollable expenses.	Total No. of employees, wage-earners only. Male.	Female.
	$		$	%	%	$	$	$	$		
199	70,000	285	75,000	.....	15	500	1,315	2,000	13,000	50	.....
200	100,000	200	107,000	.....	39	2,094	2,270	1,500	.....	120	.....
201	40,000	300	170,000	.....	.....	137	1,300	.....	15,000	35	.....
202	250,000	310	125,000	20	.....	500	800	.....	.....	60	.....
203	160,000	305	150,000	.....	20	506	600	.....	3,500	100	.....
204	62,000	265	70,000	.....	21	350	500	536	16,161	60	.....
205	165,000	290	192,000	.....	26	995	1,500	.....	7,604	65	.....
206	48,000	240	21,000	.....	25	162	153	.....	.....	15	.....
207	40,000	305	70,000	yes	.....	414	552	.....	.....	40	.....
208	100,000	310	80,000	.....	5	200	400	.....	.....	40	.....

Engines, Boilers and Machinery Factories; Engineers

209	32,387	300	41,823	no	no	291	160	.....	1,184	19	.....
210	30,000	275	30,000	.....	20	117	150	400	.....	17	.....
211	20,000	305	.....	.....	30	.....	300	.....	1,500	10	.....
212	53,210	300	32,101	.....	20	180	418	1,000	.....	27	.....
213	600,000	302	420,000	.....	10	1,526	4,473	903	.....	298	.....
214	60,000	300	30,000	.....	yes	302	293	11,544	.....	20	.....
215	18,700	300	8,760	.....	50	35	275	.....	.....	14	.....
216	30,000	286	18,552	.....	32	101	150	.....	.....	17	.....
217	2,000	290	1,100	10	.....	.....	12	.....	.....	2	.....
218	30,000	305	38,000	4	.....	.....	440	3,000	.....	22	.....
219	750,000	280	500,000	.....	10	704	2,849	.....	.....	230	.....
220	500,000	305	280,000	yes	.....	.....	.....	15,000	.....	175	.....
221	100,000	300	115,000	.....	20	728	619	5,000	.....	36	1
222	130,000	300	65,000	.....	30	500	700	.....	.....	50	.....
223	1,250,000	300	1,000,000	no	no	1,828	2,185	10,572	.....	249	.....
224	423,000	285	245,336	.....	.....	1,365	900	.....	30,150	160	2
225	10,000	305	13,000	10	.....	17	78	100	.....	8	1
226	60,000	300	50,000	10	.....	170	1,200	400	1,000	50	.....
227	70,000	305	13,420	25	.....	52	208	500	695	12	.....
228	75,000	300	80,000	no	no	180	400	.....	.....	40	.....
229	577,200	280	593,700	yes	.....	3,160	2,770	.....	67,600	350	.....
230	64,000	310	65,000	.....	5	260	850	40,000	.....	41	.....
231	10,000	305	10,000	no	no	.....	85	1,000	.....	10	.....
232	70,000	300	55,000	.....	20	390	225	.....	.....	40	.....
233	15,000	300	10,000	.....	yes	148	51	300	.....	8	.....
234	10,000	300	13,000	.....	.....	.....	204	.....	.....	20	2
235	70,000	313	60,000	no	no	480	754	.....	.....	45	.....
236	30,000	300	25,000	.....	.....	145	96	1,000	3,178	15	.....
237	20,000	300	18,000	.....	10	282	205	800	.....	11	.....
238	75,000	300	80,000	20	.....	107	500	.....	.....	75	.....
239	30,000	300	22,000	.....	.....	30	275	1,000	.....	25	.....
240	5,000	305	10,000	.....	yes	50	85	1,000	60	4	.....
241	10,000	300	5,000	.....	10	232	80	.....	.....	3	.....
242	2,500	313	11,000	20	.....	170	38	.....	.....	3	.....
243	500,000	188	250,000	no	no	600	2,281	90,000	.....	126	9
244	30,000	305	50,000	no	no	260	200	500	.....	18	.....
245	18,100	300	25,000	5	.....	93	423	.....	.....	15	.....
246	75,000	360	75,000	15	.....	200	.....	.....	.....	.....	6
247	240,000	308	218,000	4	.....	481	.....	5,100	121,155	100	.....
248	146,275	300	232,755	.....	28	563	891	2,000	3,999	160	.....

FROM MANUFACTURERS.

AND HEATING APPARATUS.—TABLE No. 10.

Total wages paid during year to wage-earners.		Weekly wages paid.				Total No. salaried clerks and officials.		Total salaries paid to clerks, officials, etc., during year.	Wages during year have—		Class of employees affected.		Office No.
		Male.		Female.									
Male.	Female.	Skilled.	Unskilled.	Skilled.	Unskilled.	Male.	Female.		Increased.	Decreased.	Wage-earners.	Clerks, officials, etc.	
$	$	$ c.	$ c.	$ c.	$ c.			$		%	%	%	
26,000	.....	18 75	9 00	.....	.....	3	2	2,500	no	no	.....	.....	199
43,570	.....	11 00	average	.....	.....	10	....	5,750	no	no	.....	.....	200
30,000	.....	17 00	average	.....	.....	5	1	6,500	.....	.....	.....	.....	201
26,000	.....	18 00	9 50	.....	.....	4	1	6,500	no	no	.....	.....	202
42,000	.....	13 50	9 60	.....	.....	9	3	10,000	no	no	.....	.....	203
30,828	.....	18 75	12 00	.....	.....	5	....	4,833	no	no	.....	.....	204
31,250	.....	10 00	average	.....	.....	15	1	20,070	.....	7½	7½	7½	205
7,640	.....	13 50	8 50	.....	.....	2	1	1,460	.....	4	skilled	...	206
23,344	.....	11 44	average	.....	.....	5	....	3,900	no	no	.....	.....	207
20,000	.....	12 00	7 50	.....	.....	3	1	3,000	no	no	.....	.....	208

AND MACHINE SHOPS.—TABLE No. 11.

9,681	.....	13 25	7 20	.....	.....	1	....	450	no	no	.....	.....	209
8,000	.....	12 00	8 25	.....	.....	....	1	180	no	no	.....	.....	210
6,000	.....	11 75	average	.....	.....	.....	.....	.....	no	no	.....	.....	211
14,381	.....	15 00	10 50	.....	.....	2	....	2,100	5	....	5	5	212
107,643	.....	15 90	9 30	.....	.....	29	7	32,616	no	no	.....	.....	213
10,566	.....	15 00	9 60	.....	.....	3	....	1,900	no	no	.....	.....	214
3,982	.....	13 20	7 20	.....	.....	1	1	1,512	no	no	.....	.....	215
8,003	.....	15 00	4 50	.....	.....	....	1	312	no	no	.....	.....	216
1,450	.....	15 00	.....	.....	.....	.....	.....	.....	no	no	.....	.....	217
16,200	.....	14 50	.....	.....	.....	2	....	2,300	no	no	.....	.....	218
105,301	.....	10 00	average	.....	.....	12	4	22,000	5	....	5	.....	219
92,565	.....	15 00	10 80	.....	.....	.....	.....	.....	.....	.....	.....	.....	220
18,000	300	15 00	9 00	6 00	.....	3	1	3,000	no	no	.....	.....	221
20,000	.....	14 25	9 00	.....	.....	3	....	....	no	no	.....	.....	222
116,692	.....	14 00	8 80	.....	.....	.....	.....	.....	20	..	.....	.....	223
71,850	754	13 00	9 00	8 00	.....	14	2	14,840	no	no	.....	.....	224
4,000	200	15 00	6 00	6 00	.....	....	1	300	10	....	.....	.....	225
20,000	.....	13 50	7 80	.....	.....	4	1	2,500	no	no	.....	.....	226
6,933	.....	15 30	7 80	.....	.....	2	....	2,500	10	skill	.....	.....	227
18,000	.....	13 50	9 00	.....	.....	3	....	3,500	no	no	.....	.....	228
182,820	.....	15 00	8 40	.....	.....	30	9	34,050	yes	....	yes	yes	229
26,800	.....	13 00	average	.....	.....	5	....	5,000	.....	....	.....	.....	230
5,000	.....	14 40	7 20	.....	.....	.....	.....	.....	7	....	7	.....	231
18,500	.....	16 50	9 50	.....	.....	2	....	1,400	no	no	.....	.....	232
2,946	.....	13 20	8 60	.....	.....	3	....	2,700	.....	10	10	10	233
6,000	1,000	14 40	7 70	9 00	.....	3	2	5,000	10	....	10	10	234
27,995	.....	16 50	10 50	.....	.....	1	....	900	no	no	.....	.....	235
5,950	.....	15 00	9 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	236
8,500	.....	15 50	average	.....	.....	1	....	850	no	no	.....	.....	237
20,000	.....	15 00	9 75	.....	.....	5	2	4,000	10	....	10	.....	238
9,500	... .	7 60	average	.....	.....	2	1	2,300	10	....	10	.....	239
2,500	.....	12 00	6 00	.....	.....	.....	1	175	no	no	.....	.....	240
2,000	.....	12 00	9 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	241
2,500	.....	18 00	.....	.....	.....	3	....	1,700	10	....	10 sk'd.	.....	242
46,320	1,800	24 00	10 50	12 00	6 00	4	....	2,000	10	....	10	10	243
24,000	.....	18 00	11 40	.....	.....	1	....	728	no	no	.....	.....	244
6,880	.....	9 17	average	.....	.....	2	1	1,560	10	....	10	10	245
.....	.....	14 00	.....	10 00	.....	1	6	.....	no	no	.....	.....	246
54,984	.....	13 50	9 00	.....	.....	5	....	7,800	.....	5	5 unsk'l	.....	247
63,100	.....	15 00	8 50	.....	.....	5	5	6,125	no	no	.....	.....	248

RETURNS IN DETAIL

METALLIC ROOFING, BOLTS AND NUTS, AND

Office No.	Capital employed, including plant.	No. days in operation during year 1908.	Gross value of products manufactured during year.	Production during year.		Taxes paid during year.	Insurance paid during year.	Amount expended on permanent repairs or plant enlargement.	Other uncontrollable expenses.	Total No. of employees, wage-earners only.	
				Increased.	Decreased.					Male.	Female.
	$		$			$	$	$	$		
249	20,000	305	60,000	15	.....	125	300	.....	600	30	.....
250	125,000	305	130,000	..	15	600	675	.....	.....	70	.....
251	330,000	300	441,000	.....	8	2,500	6,500	22,000	.....	230	.....
252	35,700	300	29,000	.....	3	140	331	.....	2,200	12	.....
253	.....	230	91,000	.....	.....	225	1,700	.....	.....	60	10
254	7,000	360	9,000	.....	20	.....	100	700	.....	10	.....
255	120,000	300	90,000	11	.....	.....	.....	3,000	.....	28	.....
256	150,000	305	60,000	20	.....	.....	750	.....	.....	35	.....
257	125,000	313	83,000	.....	12½	320	1,278	2,000	.....	80	10
258	200,000	305	200,000	.....	20	.....	800	.....	.....	90	.....
259	3,500	305	5,000	yes	.....	37	15	.....	.....	5	.....
260	300,000	300	500,000	20	.....	500	4,000	30,000	.....	100	.....
261	200,000	260	223,798	.....	30	1,500	2,400	.....	.....	150	1
262	110,000	275	71,000	.....	40	135	687	.....	.....	30	12
263	81,723	300	43,000	.....	25	371	1,479	.....	.....	10	4
264	45,000	300	20,000	5	.....	35	115	.....	.....	12	.....
265	14,500	300	5,900	1	.....	75	117	.....	.....	8	1
266	75,000	300	40,000	10	.....	260	750	300	.....	45	both
267	330,000	300	441,000	.....	8	2,500	6,500	22,000	.....	230	.....
268	50,000	300	39,177	.....	10	300	32	720	.....	25	.....
269	60,000	346	151,000	45	....	185	407	.....	.....	75	1
270	300	280	5,000	.....	.....	.....	.....	.....	.....	5	.....
271	135,000	300	335,227	.....	20	275	1,215	3,428	10,533	45	.....

WIRE FENCE, WIRE ROPE AND

272	578,500	306	410,608	.....	17½	2,604	4,223	6,440	.....	200	38
273	50,000	300	70,000	5	.....	110	23,000	.....	.....	7	.....
274	47,000	300	30,000	20	.....	104	150	.....	1,012	12	.....
275	150,000	250	300,000	no	no	350	200	10,000	.....	30	.....
276	185,000	250	300,000	.....	5	85	600	.....	.....	60	.....
277	10,000	300	20,000	.....	25	30	50	.....	.....	20	.....
278	2,500	290	2,000	...	10	5	14	.....	.....	2	.....
279	4,500	313	7,000	....	3	185	.....	.....	.....	10	.....
280	130,000	300	200,000	yes	.....	.....	.....	50,000	.....	50	7
281	17,000	200	30,000	.....	yes	153	222	304	100	15	.....
282	15,000	225	12,500	17	.....	.....	22	.....	.....	.....	.....

BRASS AND COPPERWARE FACTORIES, AND

283	350,000	305	333,000	25	.....	850	1,200	1,500	.....	150	6
284	4,000	300	.....	yes	.....	.....	.....	.....	.....	5	.....
285	36,000	300	50,000	.....	10	153	434	711	.....	51	9
286	37,150	290	47,000	.....	18	.....	445	8,100	6,600	20	2
287	22,000	250	56,278	.....	28	163	530	.....	1,737	34	.....
288	200,000	300	30,000	100	.....	138	910	.....	.....	96	.....
289	24,250	305	48,000	30	.....	105	661	.....	.....	30	2
290	39,304	305	53,161	.....	26	339	375	.....	10,363	27	.....
291	19,000	270	25,000	30	.....	.....	.....	6,800	.....	20	1
292	100,000	305	90,000	50	.....	700	700	4,000	13,000	45	.....
293	15,000	300	30,000	yes	.....	38	135	550	.....	18	.....
294	150,000	305	130,000	yes	.....	.....	.....	1,500	.....	75	.....
295	30,000	300	75,000	no	no	289	300	.....	.....	33	1
296	1,000	295	8,500	10	.....	5	13	.....	.....	4	.....
297	15,000	280	.....	.....	yes	.....	159	.....	.....	4	.....

FROM MANUFACTURERS.

Light Ironware.—Table No. 12.

Total wages paid during year to wage-earners.		Weekly wages paid.				Total No. salaried clerks and officials.		Total salaries paid to clerks, officials, etc., during year.	Wages during year have—		Class of employees affected.		
		Male.		Female.									
Male.	Female.	Skilled.	Unskilled.	Skilled.	Unskilled.	Male.	Female.		Increased.	Decreased.	Wage-earners.	Clerks officials, etc.	Office No.
$	$	$ c.	$ c.	$ c.	$ c.			$	%	%	%	%	
17,000		11 12	average			1		2,500	no	no			249
30,000		8 40	average						no	no			250
105,000		18 00	9 00			8	3	13,000					251
6,300		10 50	average			2	1	1,950	yes				252
17,100	3,000	7 50	average	7 90	aver.	3	2	7,650					253
3,500		12 00	6 00						no	no			254
10,469		15 00	9 60			3	1	4,100		7	7	7	255
15,000		16 50	12 00			1		1,500	no	no			256
37,523	both	19 50	6 00	3	50	2	2	4,000	yes				257
35,000		18 00	9 00			8	2	10,000					258
3,000		12 00	average										259
50,000		16 00	9 00			16	4	15,000		5	5	5	260
63,333	300	17 25	10 50	7 00		4	1	5,850	no	no			261
12,500	2,500	13 80	8 55		5 25	3		4,300		10	10		262
5,650	800	18 00	10 50		400	1	1	1,350	no	no	no		263
3,075		13 50	9 00			2	1	2,500	5			5	264
3,828		10 50		4	50	1		1,200	1		1		265
14,000		13 50	6 90		3 33	2	1	2,800	no	no			266
105,000		18 00	9 00			8	3	13,000					267
13,000		10 40	average			1	1		no	no			268
35,000		8 05	average			4	1	6,600	7		7	7	269
2,500		18 00	9 00			1		1,080					270
21,284		9 40	average			10	4	13,763	8		8	10	271

Wire Cloth Factories.—Table No. 13.

101,261	both	16 00	9 00	6 00	4 00	9	6	14,350	yes				272
4,600		13 50	10 50			3	2	3,000	yes				273
1,811		12 00	9 00			3	1	2,750	10			10	274
17,000		13 50	9 75			5	2	9,000	no	no			275
35,000		18 00	10 50			8	1	11,800	2				276
5,000		5 00	average			2	1	2,500	no	no			277
575			5 50						10				278
4,000		7 70	average			2		850	no	no			279
35,000		12 00	average for all			10		11,000	no	no			280
4,500		9 00	average			1	1	800					281
													282

Plumbers' Supplies.—Table No. 14.

60,000	both	15 00	average	6 00		2	3		no	no			283
1,600		12 75	3 50			1			5				284
16,540	1,500	14 25	6 00		3 75	2	1	3,500	no	no			285
8,400	450	9 00	average	5 00	Av.	3	1	3,825	no	no			286
10,954		16 50	8 25			1		1,000	no	no			287
29,668		14 25	10 50			3		5,000	10		10 sk'd		288
11,636	520	7 60	average		5 00	3	1	3,536	yes		yes	yes	289
14,386		10 60	average			6		3,903	yes				290
5,234		15 00	9 00						yes				291
60,000		15 00	8 40			7	1	4,400	no	no			292
10,000		13 50				3				5	5 sk'd		293
35,000		9 00	average			6	2		no	no			294
10,076	260	6 11	average		5 00	1	1	1,200	no	no			295
2,800		16 50	10 00						2		2		296
2,600		12 80											297

RETURNS IN DETAIL

Silver and Platedware Factories,

Office No.	Capital employed, including plant.	No. days in operation during year 1908.	Gross value of products manufactured during year.	Production during year.		Taxes paid during year.	Insurance paid during year.	Amount expended on permanent repairs or plant enlargement.	Other uncontrollable expenses.	Total No. of employees, wage-earners only.	
				Increased.	Decreased.					Male.	Female.
	$		$	%	%	$	$	$	$		
298	80,000	275	40,000	25	.....	26	373	.....	.....	12	12
299	6,500	300	4,000	....	....	68	40	300	.....	6	2
300	150,000	285	100,000	.....	25	550	1,127	2,350	2,091	69	12
301	152,000	292	78,578	.....	.....	825	2,638	3,806	21,081	76	4

Woollen, Cotton, Linens and

302	600,000	214	512,000	.....	15	3,415	818	10,000	.....	144	165
303	1,500,000	240	1,400,000	.....	.....	8,000	2,200	18,000	.....	629	433
304	10,000	305	6,600	.....	15	116	325	150	432	6	.....
305	60,000	300	.....	.....	.....	.....	.....	.....	.....	.....	.....
306	300,000	127	275,000	.....	yes	2,546	375	.....	.....	.....	.....
307	7,000	250	12,000	.....	25	60	70	.....	.....	12	12
308	60,000	276	50,000	no	no	230	692	.....	.....	25	1
309	16,000	175	9,000	.....	10	190	225	.....	.....	4	3
310	50,000	300	40,000	.....	30	.....	.....	.....	.....	26	4
311	20,000	147	11,000	.....	yes	150	.....	.....	.....	6	8
312	.....	288	288,000	.....	18	428	2,000	.....	.....	88	177
313	33,000	229	17,500	.....	50	210	400	.....	.....	8	15
314	3,000	250	1,500	5	...	23	.....	.....	.....	.....	.....
315	150,000	313	150,000	.....	.....	400	938	.....	.....	70	both
316	13,000	238	11,000	.....	25	69	153	100	.....	47	.....
317	25,000	210	17,000	.....	50	216	80	700	.....	35	.....
318	25,000	250	40,000	.....	.....	1,000	250	.....	.....	50	.....
319	125,000	312	185,000	.....	20	1,400	1,000	8 000	36,800	65	60
320	40,000	300	60,000	.....	10	500	850	3,000	4,500	25	both
321	50,000	295	30,000	no	no	46	487	.....	.....	12	15

Knitted Goods Factories; Men's

322	35,000	250	41,500	80	.....	230	284	4,145	3,267	3	50
323	40,000	300	50,000	10	.....	125	250	400	.....	16	20
324	20,000	300	30,000	10	.....	50	265	1,000	.....	8	17
325	175,000	305	150,000	no	no	450	2,300	2,000	21,000	35	75
326	300,000	300	350,000	10	.....	762	1,672	5,500	36,000	60	130
327	150,000	230	135,000	.....	20	1,248	160	400	.....	30	50
328	35,000	300	29,000	.....	20	175	280	.....	.....	3	32
329	40,000	250	96,000	15	.....	192	675	.....	.....	12	40
330	35,000	300	.....	no	no	.....	.....	.....	.....	10	50
331	200,000	300	300,000	.....	25	600	.....	.....	.....	80	100
332	53,000	305	61,000	.....	15	147	210	600	.....	5	45
333	125,000	275	70,000	....	50	550	1,600	.....	40,000	10	25
334	60,000	300	80,000	.....	.....	254	868	2,580	.....	20	28

FROM MANUFACTURERS.

JEWELRY FACTORIES.—TABLE No. 15.

Total wages paid during year to wage-earners.		Weekly wages paid.				Total No. salaried clerks and officials.		Total salaries paid to clerks, officials, etc., during year.	Wages during year have—		Class of employees affected.		Office No.
		Male.		Female.									
Male.	Female.	Skilled.	Unskilled.	Skilled.	Unskilled.	Male.	Female.		Increased.	Decreased.	Wage-earners.	Clerks, officials, etc.	
$	$	$ c.	$ c.	$ c.	$ c.			$			%	%	
3,500	1,800	25 00	8 00	14 00	6 00	4	4	3,800	no	no	.....	.....	298
3,400	416	11 35	average		4 15	.....	.....	.....	.....	yes	.....	.....	299
31,076	3,344	25 00	10 50	7 50	.....	3	1	3,500	.....	.....	.....	.....	300
33,694	1,248	13 50	6 00	.....	6 00	9	5	12,050	.....	.....	.....	.....	301

YARNS.—TABLE No. 16.

52,500	45,000	9 60	6 60	7 80	4 20	4	....	5,000	.....	10	10	.....	302
197,000	98,000	8 40	5 55	7 20	4 20	13	1	14,800	.....	10	10	.....	303
4,160	.....	14 40	9 00	.....	.....	1	....	1,000	no	no	.....	.....	304
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	305
.....	.....	.....	.....	.....	.....	.....	.....	.....	no	no	.....	.....	306
4,000	3,000	.....	6 00	9 00	.....	1	....	450	25	....	25	.....	307
10,000	240	15 00	8 25	6 00	.....	3	....	1,700	no	no	.....	.....	308
1,422	.....	10 50	7 50	4 50	3 50	1	1	670	no	no	.....	.....	309
7,000	1,000	5 40	average	5 00	aver.	.....	.....	.....	.....	.....	.....	.....	310
1,206	700	8 40	average	3 65	aver.	.....	.....	.....	no	no	.....	.....	311
30,000	41,500	10 05	6 00	8 25	4 05	3	....	3,300	10	....	10	.....	312
2,750	2,500	13 50	4 20	6 00	3 60	....	1	.....	no	no	.....	.....	313
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	314
30,612	both	8 00	average	for all		.....	.....	.....	.....	yes	.....	.....	315
8,000	.....	12 00	6 75	.....	.....	.....	1	.....	no	no	.....	.....	316
8,000	.....	9 00	8 00	.....	.....	.....	.....	.....	no	no	.....	.....	317
15,000	.....	7 30	average	.....	.....	.....	.....	.....	yes	.....	.....	.....	318
23,285	11,000	10 50	9 00	8 10	4 80	3	2	4,550	no	no	.....	.....	319
12,000	both	9 60	average	for all		3	....	3,000	5	....	5	.....	320
3,165	2,486	11 10	6 00	6 60	4 50	1	....	800	no	no	.....	.....	321

AND WOMEN'S UNDERWEAR.—TABLE No. 17.

.....	9,450	.....	.....	4 50	av.	8	4	5,075	50	....	50	.....	322
7,200	6,000	12 00	7 50	9 00	6 00	2	....	1,000	no	no	.....	.....	323
1,050	3,000	9 00	5 00	8 00	4 00	3	1	2,000	.....	.....	.....	.....	324
13,000	15,000	16 50	6 00	6 25	3 50	3	2	6,500	no	no	.....	.....	325
25,710	38,553	12 00	7 00	7 50	5 00	3	1	4,220	no	no	.....	.....	326
14,000	11,000	13 00	7 50	7 00	4 00	2	2	6,000	.....	.....	.....	.....	327
2,000	6,200	13 30	.....	5 25	av.	.....	.....	.....	no	no	.....	.....	328
11,275	.....	.....	.....	.....	.....	.....	.....	.....	no	no	.....	.....	329
20,000	both	6 66	average	for all		5	2	.....	no	no	.....	.....	330
60,000	both	6 66	average	for all		.....	.....	.....	no	.....	.....	.....	331
3,125	11,500	13 50	10 00	6 00	4 00	.....	.....	.....	yes	....	skilled	.....	332
5,000	5,000	16 20	8 10	8 10	4 10	2	1	2,000	.....	.....	.....	.....	333
7,250	6,735	10 80	6 75	6 75	4 05	1	1	1,000	no	no	.....	.....	334

RETURNS IN DETAIL

Clothing Factories—Men and Women

Office No.	Capital employed, including plant.	No. days in operation during year 1908.	Gross value of products manufactured during year.	Production during year. Increased.	Production during year. Decreased.	Taxes paid during year.	Insurance paid during year.	Amount expended on permanent repairs or plant enlargement.	Other uncontrollable expenses.	Total No. of employees, wage-earners only. Male.	Total No. of employees, wage-earners only. Female.
	$		$	%	%	$	$	$	$		
335	150,000	300	240,000	..... yes		825	1,600	500	.....	40	125
336	200,000	271	129,000	.....	35	447	345	.....	8,500	13	42
337	40,000	150	14,000	.....	.....	42	220	5,000	7,250	6	22
338	10,000	300	23,000	15	.....	75	96	.....	1,000	2	13
339	40,000	300	26,000	.....	25	100	600	2,000	.....	8	27
340	75,000	270	175,000	.....	10	213	670	.....	7,500	12	80
341	40,000	275	150,000	40	.....	138	375	500	.....	26	90
342	40,000	300	113,000	.....	6	143	532	.....	11,368	10	20
343	19,000	295	44,445	no	no	120	85	.....	.....	8	45
344	70,000	305	240,000	40	.....	1,255	450	3,000	.....	100	75
345	45,000	150	30,000	.....	.....	.....	350	35,000	4,500	15	45
346	.....	275	70,000	yes	.....	.....	.....	.....	.....	75	both
347	10,000	300	200,000	10	.....	148	1,816	1,000	.....	25	75
348	17,000	300	75,000	67	.....	.....	300	.....	.....	6	40
349	125,000	305	400,000	no	no	905	826	.....	.....	25	325
350	15 000	250	75,000	no	no	25	400	.....	8,400	20	10
351	50,000	285	23,300	10	.....	65	450	.....	.....	9	14
352	71,000	300	34,000	50	.....	111	49	.....	.....	15	10
353	10,000	305	34 000	20	.....	35	92	150	86	5	12
354	150,000	317	90,000	.....	10	2,100	750	.....	.....	30	45
355	60,000	300	90,000	20	.....	105	850	14,000	.....	14	65
356	65,000	300	25,000	16	.....	70	72	.....	.....	20	15
357	140,000	300	135,000	no	no	905	500	.....	.....	22	50

Boot and Shoe Manufacturers;

358	41,000	225	20,000	.....	.....	.....	490	.....	.....	40	20
359	60,000	305	160,000	no	no	140	39	.....	.....	35	25
360	35,000	275	75,000	no	no	.....	.....	.....	.....	25	25
361	37,100	260	150,000	no	no	500	450	3,000	.....	60	40
362	153,100	294	165,000	.....	28	692	2,129	1,519	13,100	67	28
363	60,000	250	153,600	.....	35	98	668	1,000	1,270	60	15
364	2,000	305	2,500	10	.....	40	.....	.....	.....	2	.....
365	60,000	300	88,400	.....	25	.....	750	2,000	1,480	36	14
366	90,000	258	250,000	40	.....	650	850	5,000	.....	65	45
367	600,000	285	1,100,000	no	no	950	4,600	10,000	.....	192	180
368	300,000	305	196,000	.....	30	263	690	.....	143,700	61	5
369	33,910	299	97,400	3	.....	251	303	.....	.....	34	14
370	50,000	230	30,000	.....	35	100	700	.....	5,000	18	7
371	45,300	297	107,747	.....	42	65	1,871	2,500	.....	52	21
372	25,000	300	170,000	yes	.....	.....	600	3,000	.....	50	25
373	63,775	306	66,872	.....	30	130	374	780	.....	20	.....
374	90,000	300	260,000	6	.....	220	800	.....	.....	100	60
375	20,000	305	150,000	20	.....	25	350	.....	2,500	70	15
376	.....	305	50,000	10	.....	.....	400	5,000	.....	30	10
377	39,000	215	64,500	.....	8	65	500	3,500	.....	26	7
378	45,500	300	265,000	15	.....	.....	1,000	.....	.....	90	47
379	13,500	288	46,754	21	.....	41	401	896	1,095	10	55
380	70,000	305	92,000	12½	.....	162	290	1,000	.....	38	37
381	40,000	285	100,000	.....	.....	350	350	1,500	.....	40	25
382	81,500	300	240,000	.....	10	780	1,240	.....	.....	68	3

FROM MANUFACTURERS.

WHITEWEAR, MILLINERY, ETC.—TABLE No. 18.

Total wages paid during year to wage-earners.		Weekly wages paid.				Total No. salaried clerks and officials.		Total salaries paid to clerks, officials, etc., during year.	Wages during year have—		Class of employees affected.		Office No.
		Male.		Female.									
Male.	Female.	Skilled.	Unskilled.	Skilled.	Unskilled.	Male.	Female.		Increased.	Decreased.	Wage-earners.	Clerks, officials, etc.	
$	$	$ c.	$ c.	$ c.	$ c.			$	%	%	%	%	
45,000	both	7 20	average	for	all	10	10	15,000	no	no	.....	.....	335
5,910	8,300	10 00	average	4 45	av.	3	1	3,750	.....	.....	.....	.....	336
1,975	2,280	18 50	5 00	7 50	4 50	3	1	3,100	.....	.....	.....	.....	337
2,433	both	3 25	average	for	all	.....	.....	.....	10	....	10	10	338
4,178	6,855	18 00	6 75	7 50	4 00	2	1	2,402	no	no	.....	.....	339
5,500	22,000	13 00	10 00	8 50	5 00	8	....	7,500	10	....	2	8	340
11,700	16,205	10 00	average	3 10	av.	4	3	3,300	5	....	5	.....	341
3,284	5,642	14 00	4 00	10 00	4 00	5	5	5,600	no	no	.....	.....	342
2,300	3,209	18 00	7 50	6 00	3 60	2	....	1,900	no	no	.....	.....	343
65,000	both	7 30	average	for	all	23	15	20,800	15	....	10	5	344
2,000	5,400	18 00	9 60	10 80	3 50	4	6	3,340	yes	..	yes	yes	345
5,000	both	1 45	average	for	all	.....	.....	.....	10	....	10	....	346
11,262	15,173	9 00	average	4 05	av.	3	6	6,592	.....	.....	.....	.....	347
5,000	12,000	8 00	.....	6 00	.....	5	1	4,700	.....	.....	.....	.....	348
10,200	100000	8 00	.....	6 00	.....	21	13	18,000	no	no	.....	.....	349
10,000	2,000	8 00	....	5 00	.....	4	....	3,500	5	....	5	5	350
3,500	2,844	10 50	6 00	6 00	4 50	2	....	900	no	no	.....	.....	351
8,500	2,500	11 40	.....	5 40	.....	4	....	5,900	.....	.....	.....	.....	352
642	2,820	.....	.....	4 50	3 00	2	2	1,460	5	....	5	5	353
18,000	17,500	11 50	average	7 50	av.	.....	.....	.....	..	5	5	5	354
6,100	17,850	8 70	average	5 50	av.	2	1	.....	.....	.....	.....	.....	355
14,000	both	8 00	average	for	all	3	....	1,300	10	....	10	10	356
8,043	16,087	8 04	average	6 44	av	2	2	5,000	no	no	.....	.....	357

FELT FOOTWEAR.—TABLE No. 19.

6,067	both	2 73	average	for	all	5	3	6,000	.....	.....	.....	.....	358
18,000	6,000	10 10	average	4 80	aver.	.....	.....	.....	no	no	.....	.....	359
15,000	both	6 52	average	for	all	.....	.....	.....	no	no	.....	.....	360
36,000	both	8 40	average	for	all	.....	.....	.....	no	no	.....	.....	361
29,870	6,119	9 10	average	4 45	aver.	3	....	3,450	..	..	28	.....	362
21,137	2,422	8 60	average	4 00	aver.	.....	.....	.....	no	no	.....	.....	363
800	.....	8 00	.....	.....	.....	.....	.....	.....	no	no	.....	.....	364
14 000	2,500	15 00	9 00	9 00	4 50	3	....	2,700	.....	5	.....	.....	365
70,000	both	14 80	average	for	all	.....	.....	.....	no	no	.....	.....	366
84,619	34,501	9 16	average	4 05	aver.	7	14	23,477	no	no	.....	.....	367
17,263	1,250	5 55	average	5 00	aver.	5	4	7,184	no	no	.....	.....	368
11,297	3,724	12 00	5 25	9 00	4 25	5	1	6,986	11½	....	11½	.....	369
8,000	1,300	12 00	9 00	.....	4 80	1	....	1,000	no	no	.....	.....	370
19,849	5,776	15 00	8 25	7 50	4 50	2	....	5,400	no	no	.....	.....	371
32,500	both	8 67	average	for	all	.....	.....	.....	no	no	.....	.....	372
9,842	.....	14 00	10 00	.....	.....	1	....	1,250	no	no	.....	.....	373
50,000	15,000	10 00	average	5 00	aver.	1	2	1,456	no	no	.....	.....	374
25,000	5,000	15 00	6 00	9 00	4 50	2	1	2,500	.....	.....	.....	.....	375
10,000	both	5 00	average	for	all	.....	.....	.....	3	....	3	.....	376
6,850	1,400	5 40	average	4 10	aver.	2	3	2,800	yes	....	yes	yes	377
55,768	both	8 15	average	for	all	4	.....	.....	yes	....	.....	.....	378
5,042	12,567	17 00	9 50	12 00	6 00	3	2	4,100	no	no	.....	.....	379
15,600	7,640	piece	work	.....	.....	6	4	5,980	12½	..	12½	.....	380
20,000	both	piece	work	.....	.....	2	2	2,500	10	....	10	.....	381
42,000	12,300	10 97	average	for	all	8	1	5,832	no	no	.....	.....	382

RETURNS IN DETAIL

Fur Manufacturers, Dressers and Dyers;

Office No.	Capital employed, including plant.	No. days in operation during year 1908.	Gross value of products manufactured during year.	Production during year.		Taxes paid during year.	Insurance paid during year.	Amount expended on permanent repairs or plant enlargement.	Other uncontrollable expenses.	Total No. of employees, wage-earners only.	
				Increased.	Decreased.					Male.	Female.
	$		$	%	%	$	$	$	$		
383	65,000	300	85,000	.....	20	.....	1,700	10,000	.....	60	35
384	30,000	300	80,000	10	.....	200	400	300	5,000	25	25
385	12,000	275	25,000	no	no	115	200	50	.....	4	13
386	20,000	285	60,000	15	.....	265	185	600	.....	10	20
387	10,000	300	30,000	20	.....	.....	10,000	.....	1,000	20	.....
388	20,000	250	75,000	.....	10	50	635	.....	.....	30	10
389	15,000	314	.....	25	.....	209	200	2,000	.....	15	.....
390	85,500	306	193,132	5	.....	178	2,602	734	11,397	7	32

Tanneries, Harness and Leather

391	14,000	300	30,000	.....	15	150	400	.....	.....	6	.....
392	16,000	300	83,000	60	.....	44	215	2,200	400	4	.....
393	75,000	313	100,000	no	no	80	.....	.....	.....	35	.....
394	40,000	300	88,000	.....	25	300	400	600	.....	25	3
395	15,000	300	50,000	.....	.....	75	325	.....	.....	25	20
396	41,000	300	50,393	no	no	50	548	611	671	13	.....
397	250,000	300	325,000	.....	15	.....	500	.....	.....	25	.....
398	35,000	300	65,000	no	no	146	362	20,000	.....	18	33
399	15,000	305	30,000	.....	15	140	137	.....	800	8	.....
400	90,000	300	627,000	.....	3	500	940	2,000	.....	90	.....
401	15,000	300	38,000	.....	30	129	102	.....	.....	13	22
402	200,000	300	300,000	.....	15	2,000	2,000	2,000	.....	175	30
403	60,000	300	40,000	.....	20	321	322	.....	.....	21	.....
404	125,000	260	132,000	10	.....	460	560	1,000	.....	50	5
405	300,000	300	500,000	62	.....	353	3,200	8,400	14,000	125	.....
406	75,000	300	66,872	.....	12	201	374	780	.....	14	.....
407	10,000	305	20,000	no	no	30	4,000	300	.....	7	.....
408	7,000	300	.....	.....	.....	60	.....	.....	.....	3	.....
409	9,000	300	16,000	.....	20	50	67	100	.....	4	.....
410	100,000	300	140,000	yes	.....	148	1,815	85	40,000	30	60
411	500,000	300	800,000	yes	.....	1,708	4,200	5,000	50,000	140	2
412	3,000	150	5,000	.....	75	60	.....	.....	.....	2	.....

Flour and Feed Mills; Cereal

413	100,000	300	100,000	10	.....	400	420	500	1,050	30	.....
414	20,000	300	100,000	no	no	54	225	500	400	4	.....
415	1,350,000	291	3,571,800	yes	.....	137	8,429	3,217	82,430	225	180
416	49,000	305	25,000	no	no	549	248	277	.....	3	1
417	20,000	200	45,000	.....	yes	237	374	.....	.....	6	.....
418	55,300	300	204,000	10	.....	472	252	3,165	3,026	10	.....
419	40,000	275	65,000	8	.....	738	550	1,500	620	10	.....
420	15,000	300	43,000	2½	.....	78	159	300	2,850	6	.....
421	25,000	300	125,000	.....	.....	315	268	500	.....	8	1
422	2,000	275	110,000	.....	.....	156	410	.....	.....	8	.....
423	66,000	250	180,000	no	no	205	1,370	.....	4,600	16	.....
424	18,000	300	35,000	.....	25	130	200	.....	.....	3	.....
425	35,000	300	150,000	no	no	255	786	3,000	.....	10	1
426	5,000	305	.....	.....	.....	31	70	1,000	.....	1	.....
427	20,000	300	100,000	.....	.....	150	390	500	.....	7	.....
428	30,000	305	40,000	no	no	196	650	.....	150	5	.....

FROM MANUFACTURERS.

Hat and Cap Factories.—Table No. 20.

Total wages paid during year to wage-earners.		Weekly wages paid.				Total No. salaried clerks and officials.		Total salaries paid to clerks, officials, etc., during year.	Wages during year have—		Class of employees affected.		Office No.
		Male.		Female.									
Male.	Female.	Skilled.	Unskilled.	Skilled.	Unskilled.	Male.	Female.		Increased.	Decreased.	Wage-earners.	Clerks, officials, etc.	
$	$	$ c.	$ c.	$ c.	$ c.			$			%	%	
29,000	both	6 00	average	for all					no	no			383
12,000	8,000	9 60	average	6 40	aver.	1	2	2,000					384
2,000	3,000	10 85		5 00		2		1,500	no	no			385
3,500	3,000	12 00	6 00	9 00	4 00				no	no			386
13,000		13 00	average						10		10	10	387
15,000	both	13 50	6 50	9 00	5 00	3	1		no	no			388
11,800		15 13	average						5		5	5	389
5,800	9,544	16 27	average	5 85	aver.	15	6	14,232	10		10	10	390

Goods Factories.—Table No. 21.

2,600		11 00	9 00						no	no			391
2,080		10 00				6		3,700	no	no			392
10,500		18 00	9 00			1		600	no	no			393
14,500	both	14 50	9 00	5 75	3 25	2	1		yes		yes		394
15,000	both	6 67	average	for all		5	2		no	no			395
5,593		9 00	8 00						no	no			396
7,000		14 00	8 50			5	2	7,000	no	no			397
6,638	5,128	7 37	average	3 10	aver.	4	1	3,806	15		15	15	398
3,549		12 00	9 00				1	260	no	no			399
37,000		10 50	average			5		2,000	1		1 skill.		400
4,500	4,700	6 90	average	4 30	aver.	3	1	3,800	6		6	6	401
45,000	10,000	16 80	10 80	7 80	5 40	3	2	5,000					402
12,328		10 50	average			5		2,250	no	no			403
18,000	1,800	10 00	average	for all			2	3,800	no	no			404
60,000		9 60	average			7		12,000	10		10		405
8,668		14 50	9 00						no	no			406
3,008		8 40	average						no	no			407
1,400		9 33	average										408
2,000		10 00	average						no	no			409
15,000	15,000		9 00	6 00	4 00	3	5	6,000					410
80,000	1,000	16 00	9 75	10 00		10		15,000	no	no			411
625		9 00							no	no			412

Food Factories.—Table No. 22.

13,500		12 00	8 10			1		500	15		15	15	413
1,500		7 50	average			2		2,000	10		10 unsk		414
98,280	21,996	15 00	9 00	7 50	4 50	19	4	21,312	no	no			415
1,664	300	12 50	9 00	6 50			1	300	10		10	10	416
3,200		12 00	average						no	no			417
5,512		11 40	10 35			4		3,328	no	no			418
3,000		13 50	6 75			1	1	1,560	no	no			419
2,534		9 00	7 50						no	no			420
3,500	364	8 75	average	7 30		2		2,500	no	no			421
4,525		12 00	8 00										422
8,270		12 00	9 00						no	no			423
1,800		16 00	10 00						no	no			424
5,000	400	10 00	average	8 00		1	1	1,500	no	no			425
													426
3,700		12 00	7 20						no	no			427
3,000		13 50							no	no			428

RETURNS IN DETAIL

Flour and Feed Mills; Cereal

Office No.	Capital employed, including plant.	No. days in operation during year 1908.	Gross value of products manufactured during year.	Production during year. Increased.	Production during year. Decreased.	Taxes paid during year.	Insurance paid during year.	Amount expended on permanent repairs or plant enlargement.	Other uncontrollable expenses.	Total No. of employees, wage-earners only. Male.	Female.
	$		$	%		$	$	$	$		
429	55,000	300	178,307	.....	6	380	747	888	1,157	12	.....
430	100,000	200	200,000	.....	5	440	800	.....	3,900	12	.....
431	15,000	300	150,000	yes	.....	270	1,200	500	.....	6	1
432	106,000	300	350,000	no	no	.....	.....	.....	.....	25	1
433	50,000	300	113,987	28	.....	706	897	.....	3,937	10	.....
434	100,000	300	230,000	15	.....	460	2,100	6,000	.....	8	.....
435	1,295,000	200	3,619,640	21	.....	1,058	24,212	88,734	311,000	235	.....
436	50,000	300	100,000	20	.....	160	824	1,000	2,000	7	.....
437	51,000	251	65,000	.....	.....	299	434	.....	.....	5	.....
438	100,000	312	200,000	no	no	150	600	.....	.....	22	2
439	12,000	275	.....	no	no	35	44	500	.....	2	.....
440	50,000	300	64,500	yes	.....	221	484	300	.....	8	2
441	55,000	305	200,000	15	.....	325	350	.....	.....	25	.....
442	5,000	300	.....	.....	1½	30	150	.....	.....	2	.....
443	10,000	250	7,500	.....	6¼	30	275	.....	420	2	.....
444	75 000	305	160,000	no	no	340	700	2,500	7,500	9	.....
445	55,000	300	88,000	25	.....	128	1,218	2,500	.....	11	5
446	100,000	307	246,559	22	.....	570	1,234	11,044	6,974	16	.....
447	41,460	300	384,000	25	.....	94	1,420	1,500	2,000	14	2
448	10,000	300	.....	no	no	66	63	.....	.....	3	.....
449	37,500	312	.....	no	no	350	150	.....	.....	7	.....
450	200,000	300	250,000	yes	.....	190	2,700	1,000	.....	45	2
451	150,000	275	506,780	.....	20	665	2,888	1,589	.....	31	.....
452	45,000	300	200,000	10	.....	178	350	4,500	5,600	6	1
453	15,000	310	35,000	no	no	110	325	1,000	.....	5	.....
454	200,000	313	1,200,000	5	.....	.....	3,000	.....	.....	43	2
455	60,000	300	250,000	10	.....	230	800	500	.....	12	1
456	35,000	300	113,238	45	.....	73	380	850	.....	9	.....
457	3,000	314	30,000	no	no	128	140	250	.....	3	.....
458	60,000	310	250,852	no	no	545	675	800	12,395	13	.....
459	50,000	300	125,000	no	no	315	250	1,000	.....	13	2
460	30,000	313	65,000	10	.....	218	500	250	.....	5	.....
461	12,000	300	20,000	.....	yes	319	364	200	1,000	5	.....
462	45,000	300	58,500	no	no	189	507	313	300	7	.....
463	250,000	305	1,000,000	no	no	1,600	4,000	1,500	450	46	50
464	22,000	307	200,000	no	no	100	400	250	2,690	10	1
465	18,000	250	50,000	no	no	70	480	.....	.....	4	.....
466	230,000	285	600,000	no	no	1,100	137	800	27,500	38	2
467	29,000	283	120,000	25	.....	277	294	.....	799	10	.....
468	20,000	306	115,000	.....	20	222	1,037	1,000	.....	6	1
469	20,000	306	98,000	.....	20	110	648	500	1,000	5	1
470	25,000	306	220,000	5	.....	160	310	200	4,000	10	1
471	30,000	313	250,000	.....	.....	95	640	1,000	.....	5	.....

Bakers, Bread and Biscuit and

472	500,000	300	700,000	4	.....	3,100	2,800	.....	5,000	150	200
473	17,000	200	35,000	.....	30	150	300	.....	.....	8	10
474	40,000	300	102,000	.....	10	240	420	.....	13,440	23	24
475	65,000	305	156,000	16	.....	135	275	30,000	.....	41	2
476	75,000	300	59,165	yes	.....	1,000	.....	.....	.....	14	25
477	35,000	312	120,000	10	.....	225	175	600	93,300	30	2
478	75,000	300	110,000	25	.....	300	170	2,000	.....	24	26
479	50,000	300	100,000	6	.....	108	344	1,000	8,000	22	40
480	150,000	305	300,000	no	no	1,000	800	.....	.....	124	26
481	500,000	305	1,728,306	.....	.....	4,774	5,780	10,000	84,078	240	220

FROM MANUFACTURERS.

FOOD FACTORIES.—TABLE No. 22.—Continued.

Total wages paid during year to wage-earners.		Weekly wages paid.				Total No. salaried clerks and officials.		Total salaries paid clerks, officials, etc., during year.	Wages during year have—		Class of employees affected.		Office No.
		Male.		Female.									
Male.	Female.	Skilled.	Unskilled.	Skilled.	Unskilled.	Male.	Female.		Increased.	Decreased.	Wage-earners.	Clerks officials, etc.	
$	$	$ c.	$ c.	$ c.	$ c.			$	%	%			
5,619	.....	12 00	10 00	.....	.....	1	....	1,000	.....	.....	.....	.....	429
5,300	.....	19 50	10 50	.....	.....	2	1	3,600	no	no	.....	.....	430
3,500	500	15 00	8 00	6 00	.....	1	1	1,200	yes	....	skilled	.....	431
8,000	400	9 00	average	6 00	.....	5	....	8,000	no	no	.....	.....	432
6,120	.....	11 10	average	.....	.....	3	....	4,000	no	no	.....	.....	433
3,990	.....	10 00	average	.....	.....	...	2	2,280	5	....	5 skill.	.....	434
118,162	.....	15 21	average	.....	.....	.....	.....	.....	no	no	.....	.....	435
3,500	... ..	12 00	7 00	.....	.....	....	1	420	no	no	.....	.....	436
2,600	.....	14 00	9 60	.....	.....	2	....	1,140	2	....	2	.....	437
10,000	600	12 00	9 00	9 00	6 00	2	..	1,400	no	no	.....	.....	438
500	.....	12 00	6 00	.....	.....	1	.....	.....	.....	.....	.....	.....	439
3,840	672	9 60	....	9 90	3 60	.	2	.....	no	no	.....	.....	440
15,000	.....	15 00	10 00	.....	.....	3	....	4,000	5	....	.....	.....	441
600	.....	.....	7 50	.....	.....	.....	.....	.....	no	no	.....	.....	442
780	.....	12 50	9 00	.....	.....	.....	.....	.....	no	no	.....	.....	443
4,300	.....	17 00	9 00	.....	.....	.....	.....	.....	no	no	.....	.....	444
4,710	1,300	11 00	.....	.....	5 00	3	2	3,000	no	no	.....	.....	445
8,406	.....	13 25	8 85	.....	.....	2	....	3,500	no	no	.....	.....	446
6,208	900	14 00	9 50	9 00	.....	1	....	4,000	yes	....	.....	yes	447
1,140	.....	10 00	6 00	.....	.....	.....	.....	.....	no	no	.....	.....	448
3,458	.....	11 25	9 00	.....	.....	.....	.....	.....	12½	....	12½	.....	449
14,280	720	18 00	9 00	10 00	5 00	3	2	4,500	2	....	2	2	450
13,690	.....	10 50	9 00	.....	.....	5	....	4,800	no	no	.....	.....	451
3,300	350	15 00	8 55	7 50	....	1	1	1,350	no	no	.....	.....	452
1,950	.....	10 00	6 15	.....	.....	.....	.....	.....	no	no	.....	.....	453
25,000	.....	15 00	10 00	.....	.....	.....	.....	.....	no	no	.....	.....	454
6,000	260	16 00	9 00	.....	5 20	2	1	2,060	.....	.....	.....	.....	455
4,269	.....	14 00	9 50	6 00	.....	....	1	2,000	.....	.....	.....	.....	456
1,820	.....	11 70	.....	.....	.....	.....	.....	.....	10	.....	.....	.....	457
6,900	.....	13 50	9 50	.....	.....	2	1	1,600	no	no	.....	.....	458
6,500	480	12 50	.....	7 50	.....	2	....	1,400	5	....	.....	.....	459
2,350	.....	13 00	9 00	.....	.....	1	....	700	no	no	.....	.....	460
2,500	.....	12 00	7 50	.....	.. ..	1	...	1,000	no	no	.....	.....	461
3,756	.....	12 00	10 50	.....	..	2	....	888	4½	....	4½	4½	462
12,000	4,000	12 00	8 10	7 20	7 00	4	3	5,200	no	no	.....	.....	463
4,350	235	10 50	9 00	.....	4 50	2	1	4,585	no	no	.....	.....	464
2,000	.....	13 50	8 25	.....	.....	1	....	600	no	no	.....	.....	465
20,515	572	24 00	9 75	.....	5 50	4	2	5,000	yes	....	skilled	...	466
6,485	.....	15 00	9 00	.....	.....	4	.....	.....	yes	...	unskill	....	467
2,977	260	9 73	average	.....	5 10	.....	.....	.....	no	no	.....	.....	468
2,492	325	9 77	.....	6 40	.....	.....	.....	.....	no	no	.....	.....	469
4,353	234	17 40	9 30	4 50	.....	2	1	2,034	yes	....	yes	yes	470
3,000	.....	15 00	10 50	.....	.....	1	.....	.....	no	no	.....	.....	471

CONFECTIONERS.—TABLE No. 23.

90,000	60,000	12 00	9 00	9 00	5 00	4	8	10,000	no	no	.....	.....	472
4,000	1,500	12 00	9 00	.....	4 00	....	2	1,200	no	no	.....	.....	473
18,111	both	18 10	8 55	7 50	3 75	.....	.....	.....	no	no	.....	.....	474
27,084	936	14 00	10 50	11 00	7 00	2	2	3,136	no	no	.....	.....	475
15,600	both	14 00	8 00	6 50	4 00	.....	.....	.....	yes	.....	.....	.....	476
18,178	724	14 00	10 00	9 00	5 00	2	2	2,528	no	no	.....	.....	477
9,500	3,500	12 00	6 00	.....	4 00	7	2	10,500	5	....	5	.....	478
11,200	4,760	15 00	5 00	5 50	3 00	4	1	5,116	no	no	.....	.....	479
80,000	both	10 44	average	for	all	3	12	8,000	no	no	.....	.....	480
119,584	54,800	7 43	average	for	all	28	9	35,567	yes	....	yes	yes	481

RETURNS IN DETAIL

CANNING, PORK PACKING AND BACON CURING

Office No.	Capital employed, including plant.	No. days in operation during year 1908.	Gross value of products manufactured during year.	Production during year.		Taxes paid during year.	Insurance paid during year.	Amount expended on permanent repairs or plant enlargement.	Other uncontrollable expenses.	Total No. of employees, wage-earners only.	
				Increased.	Decreased.					Male.	Female.
	$		$	%	%	$	$	$	$		
482	217,700	312	886,818	10	.....	828	4,375	30,000	56,210	80	.....
483	444,840	250	556,463	no	no	478	4,283	41,140	420,964	130	170
484	10,000	90	12,000	.....	½	150	160	200	.....	15	35
485	209,017	200	131,031	.....	9	360	1,868	225	89,310	30	40
486	150,000	184	135,000	4	.....	224	.....	.....	.....	120	130
487	225,000	242	480,000	.....	.....	416	1,666	.....	.....	70	4
488	65,000	125	40,000	25	.....	82	491	264	700	36	64
489	.....	97	.....	.....	5	315	.....	.....	.....	75	125
490	185,000	155	250,000	.....	.....	240	2,748	.....	.....	50	150
491	150,000	275	933,783	.....	13	530	3,100	400	5,312	74	.....
492	90,000	300	785,000	.....	10	750	2,600	5,000	43,284	80	4
493	125,000	300	85,000	10	.....	320	950	1,200	.....	30	120
494	415,000	305	1,550,000	45	.....	833	3,994	.....	96,000	100	.....
495	2,000,000	200	150,000	no	no	100	.....	2,000	.....	60	100
496	.....	310	1,100,000	.....	yes	1,475	2,500	.....	.....	75	.....
497	500,000	305	1,291,090	.....	.....	1,091	9,042	5,301	.....	135	2
498	150,000	305	100,000	no	no	241	1,618	1,808	2,127	25	75
499	40,000	200	20,000	.....	25	99	182	.....	.....	76	both
500	300,000	300	3,000,000	15	.....	1,759	3,500	50,000	30,000	150	.....

DAIRY PRODUCTS AND OTHER

501	12,000	200	32,000	no	no	110	115	.....	.....	4	.....
502	22,240	313	28,563	....	yes	.....	97	.....	1,635	4	1
503	250,000	365	593,350	26	.....	86	.....	50,176	530,438	84	52
504	6,000	255	55,630	1	.....	43	165	300	54,370	5	.....
505	2,500	200	12,000	.....	5	8	18	50	.....	4	.....
506	16,000	305	23,813	3	.....	.....	123	.....	19,084	2	1
507	162,300	210	275,000	10	.....	906	880	1,524	.....	35	150
508	30,000	305	13,832	.....	4	120	110	856	.....	11	.....
509	242,000	305	451,500	1	.....	2,804	3,301	5,500	60,300	40	55
510	8,000	40	3,000	no	no	81	200	.....	.....	5	.....
511	30,000	305	100,000	no	no	520	912	600	3,300	7	5
512	9,000	300	26,000	4	.....	60	130	.....	.....	3	5
513	75,000	300	150,000	.....	6	800	400	6,000	.....	12	14
514	2,000	365	10,000	.....	1	12	60	100	.....	4	1
515	125,000	300	200,000	30	.....	.....	600	20,000	37,000	20	10

DISTILLERIES, BREWERIES AND WINE FACTORIES;

516	75,000	312	56,000	no	no	925	450	.....	.....	10	1
517	80,000	290	84,000	.....	12	172	980	600	.....	55	.....
518	400,000	300	532,710	2	.....	192	2,896	149	149,829	214	74
519	1,000,000	365	900,000	no	no	7,000	.....	.....	.....	75	.....
520	600,000	310	173,500	21	.....	2,600	2,400	3,300	60,100	30	.....
521	180,000	305	110,000	25	.....	809	1,144	90,000	10,848	20	.....
522	1,610,000	314	590,000	7¼	.....	19,524	27,102	50,000	.....	183	.....
523	260,000	300	562,000	.....	16	674	2,604	.....	4,996	160	.....
524	93,000	306	71,000	8	.....	405	920	700	.....	14	.....
525	100,000	300	20,000	no	no	51	300	.....	1,200	5	.....
526	2,500	300	4,000	10	.....	30	50	.....	.....	4	.....
527	500,000	250	1,047,550	35	.....	2,600	1,132	11,995	1,085,046	132	99
528	30,000	120	5,000	no	no	356	58	.....	.....	4	3

FROM MANUFACTURERS.

Works, Abattoirs, Etc.—Table No. 24.

Total wages paid during year to wage-earners.		Weekly wages paid.				Total No. salaried clerks and officials.		Total salaries paid to clerks, officials, etc., during year.	Wages during year have—		Class of employees affected.		Office No.
		Male.		Female.									
Male.	Female.	Skilled.	Unskilled.	Skilled.	Unskilled.	Male.	Female.		Increased.	Decreased.	Wage-earners.	Clerks, officials, etc.	
$	$	$ c.	$ c.	$ c.	$ c.			$	%	%			
41,368	.....	15 00	10 00	.....	.....	10	1	12,800	no	no	.....	.....	482
42,000	29,300	10 50	7 50	7 50	4 50	7	2	8,000	no	no	.....	.....	483
1,200	2,000	18 00	9 00	.....	6 00	.....	.....	.....	no	no	.....	.....	484
9,673	6,000	10 20	8 55	4 80	4 20	3	1	3,749	no	no	.....	.....	485
15,000	both	12 00	9 00	6 00	4 50	2	1	2,500	no	no	.....	.....	486
27,600	720	14 00	9 00	.....	6 00	4	3	6,000	no	no	.....	.....	487
5,845	1,392	10 50	7 50	.....	3 60	2	...	1,700	no	no	.....	.....	488
4,900	2,508	9 00	average	7 50	4 20	2	1	2,700	no	no	.....	.....	489
10,000	15,000	10 50	9 00	6 00	4 50	3	.....	.....	no	no	.....	.....	490
31,934	.....	13 50	8 75	.....	.....	10	4	14,809	no	no	.....	.....	491
31,000	1,200	15 00	9 00	.....	6 00	12	6	14,800	no	no	.....	.....	492
7,000	4 000	15 00	9 00	6 00	4 00	3	1	4,500	.....	5	5	.....	493
44,925	.....	10 50	7 50	.....	.....	18	5	20,820	no	no	.....	.....	494
15,000	both	12 00	8 50	6 00	4 80	3	....	2,700	no	no	.....	.....	495
42,000	.....	10 75	average	.....	.....	.....	.....	.....	.....	.....	.....	.....	496
59,576	936	12 00	8 25	.....	.....	11	2	18,250	no	no	.....	.....	497
4,857	4,680	10 50	7 50	.....	.....	4	1	4,200	no	no	.....	.....	498
2,186	1,432	15 00	9 00	7 50	4 80	3	1	2,000	no	no	.....	.....	499
90,000	..	21 00	11 00	....	.....	20	5	25,000	20	....	20	20	500

Foods.—Table No. 25.

1,200	.....	9 10	average	.....	.....	.....	.....	.....	no	no	.....	.....	501
1,058	480	12 00	.....	9 00	....	1	....	1,538	.....	.....	.....	.....	502
46,668	12,493	16 00	9 70	.....	5 40	3	1	3,806	no	no	.....	.....	503
2,750	.....	12 00	9 00	.....	.....	2	....	500	no	no	.....	.....	504
1,200	.....	18 00	9 00	.....	.....	.....	.....	.....	no	no	.....	.....	505
775	200	.....	7 50	.....	5 00	1	2	927	no	no	.....	.....	506
21,758	both	16 67	.....	10 00	.....	16	1	18,141	yes	....	yes	yes	507
3,283	.....	10 80	8 40	....	.....	1	....	900	no	no	.....	.....	508
19,200	9,700	14 00	10 00	5 00	3 00	16	1	26,600	1	....	1	1	509
750	.....	10 00	9 00	.....	.....	.....	.....	.....	no	no	.....	.....	510
5,200	1,300	14 00	8 50	5 00	3 00	2	2	4 800	no	no	.....	.....	511
1,300	1,200	8 67	average	4 80	aver.	2	1	2,000	.....	.....	.....	.....	512
6,000	4,500	10 00	average	6 40	aver.	8	1	12,000	no	no	.....	.....	513
1,850	280	15 00	10 00	6 00	...	.....	.....	.....	no	no	.....	.....	514
4,650	2,850	12 00	8 40	6 00	4 80	2	1	3,200	no	no	.....	.....	515

Cigar and Tobacco Factories.—Table No. 26.

6,000	250	11 55	average	5 00	.....	.....	1	250	no	no	.....	.....	516
9,200	400	12 00	9 00	8 33	.....	2	1	1,650	no	no	.....	.....	517
113,298	43,088	12 00	6 00	12 00	6 00	11	...	33,064	5	.....	.....	5	518
70,000	.....	15 00	12 00	.....	.....	15	....	30,000	no	no	.....	.....	519
19,100	.....	18 90	10 80	.....	.....	9	1	7,490	no	no	.....	.....	520
13,384	.....	17 00	10 00	.....	.....	2	....	2,620	no	no	.....	.....	521
95,516	.....	10 00	average	.....	.....	16	....	22,500	no	no	.....	.....	522
106,000	.....	13 28	average	.....	.....	7	1	10,545	no	no	.....	.....	523
10,000	.....	23 00	10 00	.....	.....	3	....	3,700	no	no	.....	.....	524
3,500	.....	14 00	.....	.....	.....	.....	.....	.....	no	no	.....	.....	525
1,800	.....	9 00	average	.....	.....	.....	.....	.....	no	no	.....	.....	526
49,600	21,526	8 95	average	5 00	aver.	8	1	26,060	4½	.....	.....	4½	527
780	90	8 75	average	5 00	aver.	.....	.....	.....	no	no	.....	.....	528

RETURNS IN DETAIL

DISTILLERIES, BREWERIES AND WINE FACTORIES:

Office No.	Capital employed, including plant.	No. days in operation during year 1908.	Gross value of products manufactured during year.	Production during year. Increased.	Production during year. Decreased.	Taxes paid during year.	Insurance paid during year.	Amount expended on permanent repairs or plant enlargement.	Other uncontrollable expenses.	Total No. of employees, wage-earners only. Male.	Total No. of employees, wage-earners only. Female.
	$		$			$	$	$	$		
529	114,340	300	20,000	....	75	103	596	100	2,500	6	....
530	80,000	312	59,795	....	4	788	960	5,000	....	20	....
531	10,000	305	15,000	no	no	40	96	50	....	10	7
532	30,000	142	5,000	....	....	200	130	....	500	3	....
533	52,500	314	56,000	....	20	226	243	1,000	1,384	15	....
534	30,000	300	28,000	no	no	130	300	500	....	5	....
535	150,000	300	125,000	....	10	347	1,041	....	....	35	65
536	15,000	305	28,000	no	no	4,200	180	....	15,000	9	....
537	50,000	306	65,000	....	5	231	173	1,907	....	8	22
538	468,000	306	431,089	....	6½	3,439	2,473	....	31,074	116	1
539	65,000	300	100,000	10	....	69	368	....	14,233	50	50
540	35,000	300	75,000	no	no	150	150	....	....	30	20
541	10,000	300	10,000	....	18	125	112	600	6,900	1	....
542	25,000	312	75,000	no	no	400	....	500	....	15	....
543	15,000	312	30,000	7	....	70	58	....	....	6	....
544	160,983	300	119,872	29	....	533	1,732	1,756	3,336	16	....
545	98,000	305	115,000	....	15	1,100	1,500	....	....	9	....

CHEMICAL WORKS, MEDICINES AND

546	15,000	305	40,000	no	no	118	189	....	....	5	....
547	2,500	75	1,200	....	....	....	21	300	....	....	....
548	59,557	300	40,000	yes	....	147	342	1,130	....	20	6
549	200,000	245	81,818	....	16⅔	3,491	....	....	....	24	....
550	3,000	250	8,000	2	....	19	....	....	70	1	....
551	40,000	305	60,000	10	....	520	779	600	....	4	12
552	32,100	306	45,000	12½	....	150	225	1,000	....	3	10
553	14,210	300	36,000	....	2½	643	407	....	9,900	7	11
554	15,000	313	35,000	20	....	75	60	....	....	9	3
555	10,000	313	20,000	....	10	60	40	....	....	4	....
556	15,500	300	36,000	6	....	48	208	....	....	5	2
557	40,000	300	48,000	45	....	87	700	10,000	....	10	1
558	15,000	305	39,000	no	no	530	325	5,000	....	7	....
559	750,000	305	250,000	no	no	500	1,500	....	....	200	....
560	252,917	300	266,659	....	3	1,063	2,838	2,086	43,990	45	67
561	8,000	90	12,000	no	no	150	40	....	....	3	....
562	136,500	225	202,359	23⅓	....	282	1,988	29,350	9,098	36	16
563	300,000	305	104,000	10	....	1,500	1,000	20,000	....	40	....
563a	3,400	280	16,224	23	....	10	38	....	10,558	1	2

OIL REFINERIES, PAINT AND VARNISH

564	48,490	305	92,000	....	8	660	....	....	....	11	....
565	120,000	310	70,000	no	no	500	1,446	1,500	....	70	....
566	2,527,183	306	....	....	33	....	....	53,755	....	274	3
567	14,000	305	14,000	no	no	180	64	100	....	5	1
568	11,000	300	45,000	25	....	22	300	4,000	500	6	....
569	90,000	305	99,557	....	....	452	753	906	269	5	1
570	40,000	305	250,000	....	10	212	2,450	7,000	....	25	....
571	15,000	300	40,000	no	no	100	200	....	3,000	8	....
572	5,000	300	45,000	5	....	125	300	4,000	31,000	9	....

FROM MANUFACTURERS.

CIGAR AND TOBACCO FACTORIES.—TABLE No. 26.—Continued.

Total wages paid during year to wage-earners.		Weekly wages paid.				Total No. salaried clerks and officials.		Total salaries paid to clerks, officials, etc., during year.	Wages during year have—		Class of employees affected.		Office No.
		Male.		Female.									
Male.	Female.	Skilled.	Unskilled.	Skilled.	Unskilled.	Male.	Female.		Increased.	Decreased.	Wage-earners.	Clerks, officials, etc.	
$	$	$ c.	$ c.	$ c.	$ c.			$	%	%	%	%	
5,400		18 00							no	no			529
11,539		18 00	12 00			4		4,500	no	no			530
3,200	1,800	10 00	3 50	8 00	3 00				no	no			531
800		11 50							no	no			532
6,200		18 00	9 60			1		900	no	no			533
4,500		18 00				3		2,000	no	no			534
10,000	15,000	5 72	average	4 62	aver.	3	1	2,800	no	no			535
3,080		6 71	average			1		660	no	no			536
3,700	7,300	8 00	4 00	6 00	2 50	3		1,700	3		3		537
47,052	144	29 36	8 20			22	3	25,043	10		4½	10	538
25,767	both	5 15	average	for all		2		3,000	no	no			539
18,000	8,000	6 00		4 00		1	1	900	no	no			540
489		9 78							10		10		541
8,000		15 00	10 00			2			no	no			542
3,600		11 54	average			2		2,400	8½		8½ sk'd.		543
8,354		10 50	average			1		2,000	16				544
6,000		13 07	average				3	1,300	no	no			545

PERFUMERIES.—TABLE No. 27.

3,874		24 00	12 00						no	no			546
						2		840					547
3,500	1,150	3 70	average	3 85	aver.	6	1	5,700					548
15,944		16 20	average			4		5,750	no	no			549
460		10 00							no	no			550
2,868	1,775	18 00	6 00	6 00	2 70	3	1	6,300	10				551
1,240	3,330	10 00	4 00	7 00	4 50	2	2	2,600	no	no			552
4,680	2,065	18 00	4 50		3 88	8	3	6,200	4		5	3	553
2,880	748	15 00	9 00	8 00	5 00	1	2		no	no			554
3,000		15 00	9 00			1		750					555
2,200	400	9 00			4 00	2	2	2,500	no	no			556
3,268	250	12 50	7 50		5 00	1	1	1,250					557
2,600		9 50	3 50			1		1,500	10		10	10	558
90,000		9 00	6 00			3		7,500	no	no			559
16,700	11,040	16 00	6 00		3 75	23	10	32,576	10		10	10	560
1,000	900		3 00		2 00	3	4	1,500	no	no			561
15,577	3,754	13 50	9 00		5 40	4		6,150	no	no			562
25,000		12 25	average			7		7,000	10		10	10	563
1,040	480	20 00			5 00	1		1,000					563a

FACTORIES.—TABLE No. 28.

6,800		15 00	9 00			4		4,764	no	no			564
30,818		8 47	average			5			5		5		565
		13 62	9 48	8 58		32	3		no	no			566
1,700	300	6 67	average	6 00					no	no			567
4,614		35 00	11 33			2	1	3,650	13		17	10	568
2,161	286		8 31		5 50	1		1,500	no	no			569
15,149		10 50	average			5	3	8,000	5		5	5	570
4,160		10 00	average			1	2	1,600	no	no			571
6,400		14 00	8 00			1	2	1,800	5		5	5	572

RETURNS IN DETAIL

Gas Works, Electric Light,

Office No.	Capital employed, including plant.	No. days in operation during year 1908.	Gross value of products manufactured during year.	Production during year. Increased.	Production during year. Decreased.	Taxes paid during year.	Insurance paid during year.	Amount expended on permanent repairs or plant enlargement.	Other uncontrollable expenses.	Total No. of employees, wage-earners only. Male.	Female.
	$		$	%	%	$	$	$	$		
573	2,510,263	365	343,345	20	.....	13,845	3,487	59,629	.....	80	.....
574	803,668	365	137,000	20	.....	4,326	1,407	44,540	.....	110	.....
575	5,902,134	365	1,587,363	16	.....	57,651	4,954	972,779	.....	500	.....
576	150,600	365	48,853	18	.....	913	1,003	5,244	25,395	12	.....
577	240,000	365	60,000	10	.....	1,300	825	12,404	6,000	19	1
578	21,000	365	4,637	no	no	52	.....	500	50	1	.....
579	12,000	365	4,572	18	.. ..	.....	.....	1,000	2,275	1	... ..
580	20,000	365	10,075	45	.....	196	164	284	842	3	.....
581	30,000	365	6,506	no	no	160	66	.....	1,156	3	.....
582	65,967	365	9,205	5	.....	.....	46	1,405	3,919	5	.....
583	20,000	365	4,000	8	.....	75	98	270	471	2	.....
584	107,000	365	13,295	7½	.....	490	.....	1,200	.....	5	.....
585	50,000	365	.....	.....	.....	300	150	.....	.....	5	.....
586	140,000	365	15,000	5	.....	1,446	400	8 000	.....	8	1
587	49,000	365	9,000	10	.....	567	.....	20,000	5,000	6	1
588	14,000	365	3,300	5	.....	95	45	2,000	.....	2	.....
589	225,000	365	30,000	5	.....	1,900	307	.....	.....	5	1
590	110,000	365	24,500	18	....	.....	358	8,000	.....	9	.....
591	52,000	365	8,780	.....	.....	.....	150	.....	.....	3	.....
592	30,000	365	3,400	no	no	108	77	6,000	8,000	3	.....
593	186,500	365	86,305	no	no	1,265	325	13,000	.....	90	.....
594	15,000	365	.....	.....	.....	200	125	.....	.....	10	.....
595	28,000	365	11,809	3	.....	150	125	331	5,900	2	.....
596	60,000	365	7,500	5	.....	150	100	50,500	100	4	.....
597	20,000	305	5,000	.....	20	30	75	300	100	2	.....
598	30,000	365	4,000	.....	.....	125	50	350	.....	1	.....
599	300,000	365	49,000	15	.....	1,930	834	22,457	19,421	40	.....

Printing, Publishing and

600	3,500	306	3,400	no	no	30	22	.....	.....	2	2
601	100,000	306	183,710	16	.....	1,500	800	.....	.....	90	15
602	575 657	306	193,020	.....	3½	2,840	2,034	8,000	80,500	60	.....
603	5,000	306	4,000	yes	.....	28	56	.....	.....	5	1
604	3,500	303	3,900	5	.....	12	15	325	.....	4	1
605	60,000	305	110,234	5	.....	714	913	847	42,065	40	10
606	45,000	300	60,000	3	.....	325	290	.....	.....	40	7
607	5,500	305	4,000	.....	.....	10	58	.....	.....	5	.....
608	100,000	305	46,353	1½	.....	233	102	929	14,474	50	35
609	6,000	305	3,500	no	no	9	200	.....	.....	5	...
610	5,000	305	3,072	7	.....	53	34	100	.....	3	1
611	60,000	305	50,000	no	no	347	.....	2,233	20,000	25	10
612	233,660	350	153,625	2	.. ...	795	1,378	5,200	5,812	75	20
613	75,000	305	100,000	20	.. ...	370	600	13,900	.....	45	9
614	8 000	305	4,500	yes	.....	75	55	100	.....	7	1
615	10,000	305	15,000	yes	.....	.....	.....	100	.....	3	3
616	32,000	305	21,943	25	.....	68	171	600	300	15	4
617	8,500	305	.....	yes	.....	33	64	.....	.....	3	2

FROM MANUFACTURERS.

Heating and Power Works.—Table No. 29.

Total wages paid during year to wage-earners.		Weekly wages paid.				Total No. salaried clerks and officials.		Total salaries paid to clerks, officials, etc., during year.	Wages during year have—		Class of employees affected.		Office No.
		Male.		Female.									
Male.	Female.	Skilled.	Unskilled.	Skilled.	Unskilled.	Male.	Female.		Increased.	Decreased.	Wage-earners.	Clerks, officials, etc.	
$	$	$ c.	$ c.	$ c.	$ c.			$	%	%	%	%	
44,681	.....	11 00	10 50	.....	.....	50	4	19,033	5	.....	.....	5	573
52,045	.....	13 50	9 60	.....	.....	10	1	9,339	10	.....	.....	10	574
389,336	.....	12 75	average	.....	.....	30	7	45,387	5	.....	5	5	575
4,979	....	6 80	average	.....	.....	7	....	4,553	5	.....	5	5	576
13,372	360	7 00	average	.....	6 00	2	1	1,500	5	.....	.....	.....	577
400	.....	8 00	.....	.....	.....	1	....	250	no	no	.....	.....	578
900	.....	15 00	.....	.....	.....	2	....	200	no	no	.....	.....	579
2,190	.....	14 58	.....	.....	.....	1	....	171	10	.....	10	.....	580
1,162	.....	6 35	average	.....	.....	1	....	166	.....	20	20	.....	581
2,755	.....	9 00	9 00	.....	.....	2	....	2,205	10	.....	.....	10	582
1,200	.....	12 00	8 00	.....	.....	2	....	225	no	no	.....	.....	583
2,700	.....	12 00	10 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	584
2,500	.....	8 20	average	.....	.....	2	....	1,500	.....	.....	.....	.....	585
3,540	240	7 25	average	.....	4 00	1	1	.....	no	no	.....	.....	586
2,544	400	12 00	.....	6 50	.....	2	1	2,500	20	.....	20	20	587
800	.....	11 00	2 46	.....	.....	1	....	150	no	no	.....	.....	588
2,940	600	9 50	average	9 50	.....	1	1	1,000	.....	.....	.....	.....	589
6,860	.....	12 50	average	.....	.....	1	....	1,800	5	.....	.....	.....	590
2,126	.....	11 62	average	.....	.....	.....	.....	.....	no	no	.....	.....	591
1,440	.....	8 00	average	.....	.....	1	....	360	no	no	.....	.....	592
56,455	.....	12 00	9 75	.....	.....	4	1	3,240	5	.....	5	5	593
7,000	.....	19 50	15 00	.....	.....	3	2	3,500	no	no	.....	.....	594
1,854	.....	13 70	.....	.....	.....	2	....	1,000	5½	.....	5½	.....	595
2,300	.....	18 00	5 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	596
1,500	.....	14 10	4 70	.....	.....	2	....	75	no	no	.....	.....	597
600	.....	11 50	.....	.....	.....	.....	.....	.....	no	no	.....	.....	598
11,012	.....	17 50	11 37	.....	.....	6	1	4,738	10	.....	10	10	599

Allied Trades.—Table No. 30.

500	400	5 00	.....	4 00	.....	.....	.....	.....	.....	.....	.....	.....	600
45,000	4,000	15 00	12 00	6 00	.....	12	5	10,000	5	.....	.....	5	601
53,358	.....	18 00	.....	.....	.....	54	11	44,000	no	no	.....	.....	602
2,400	200	9 00	3 00	4 00	.....	.....	.....	.....	yes	.....	yes	.....	603
1,580	375	12 00	6 00	.....	3 50	.....	.....	.....	3	.....	3	.....	604
33,736	both	13 62	average	for all		18	4	22,995	9	.....	9	9	605
17,000	1,200	8 50	average	.....	3 43	5	1	7,300	.....	2	unskill	.....	606
2,500	.....	12 00	.....	.....	.....	.....	.....	.....	no	no	.....	.....	607
17,846	7,758	27 00	8 75	11 00	5 50	15	10	8,000	10	.....	10	10	608
2,500	.....	12 00	2 00	.....	.....	1	.....	600	no	no	.....	.....	609
832	104	8 00	3 00	.....	2 00	.....	.....	.....	no	no	.....	.....	610
18,000	2,080	12 00	.....	.....	4 50	8	2	6,784	10	.....	skilled	.....	611
30,812	5,200	7 00	average	.....	4 50	1	5	3,500	.....	.....	.....	.....	612
25,900	2,700	16 00	10 00	7 00	5 50	9	5	10,000	1	.....	1	.....	613
2,351	180	12 70	2 00	.....	3 50	.....	.....	.....	no	no	.....	.....	614
3,000	1,500	20 00	.....	10 00	.....	.....	.....	.....	.....	.....	.....	.....	615
11,121	1,350	16 66	9 00	6 16	.....	4	.....	3,850	15	.....	15	.....	616
2,148	624	14 00	average	6 00	.....	.....	.....	.....	no	no	.....	.....	617

RETURNS IN DETAIL

Brick and Tile Yards, Potteries, Portland

Office No.	Capital employed, including plant.	No. days in operation during year 1908.	Gross value of products manufactured during year.	Production during year. Increased.	Production during year. Decreased.	Taxes paid during year.	Insurance paid during year.	Amount expended on permanent repairs or plant enlargement.	Other uncontrollable expenses.	Total No. of employees, wage-earners only. Male.	Female.
	$		$			$	$	$	$		
618	31,949	181	18,307	.....	yes	109	438	1,256	14,085	20	82
619	17,000	180	13,000	10	.....	26	34	.....	560	15	.....
620	25,000	275	5,000	.. ..	30	230	.....	.....	.....	17	.....
621	3,000,000	188	.....	.....	.....	224	872	141,640	18,308	25	.....
622	1,780,000	131	264,447	.....	.....	1,837	1,223	.....	116,641	350	.....
623	1,000,000	300	67,113	10	.....	80	560	25,000	3,730	70	.....
624	10,000	300	22,000	.....	30	110	32	200	.. ..	3	.....
625	15,000	115	24,240	no	no	339	198	....	10,092	46	.....
626	25,000	120	13,000	.....	20	247	102	1,000	.....	23	....
627	.....	305	.....	.....	20	.....	.....	.....	.....	.....	.....
628	50,000	300	28,000	no	no	200	300	.. ..	1,000	34	.....
629	100,000	300	114,000	.....	.....	357	305	.. ....	17,185	18	.....
630	382,760	275	87,466	14	.....	613	1,500	25,000	.....	60	.....
631	20,000	160	7,910	.....	yes	27	.....	500	....	15	.... .
632	160,000	200	106,000	30	.....	30	1,600	.....	.....	30	.....
633	223,759	300	121,359	.....	10	300	1,306	14,482	51,963	90	.....
634	310,000	225	92,500	.. ..	42	504	615	3,600	2,280	70	.....
635	1,000,000	170	243,116	50	.....	1,271	1,354	.....	1,000	92	.....
636	400,000	156	75,000	.....	.....	195	1,220	.....	.....	60	.....
637	23,000	305	26,000	.....	16	10	10	300	.....	10	.....
638	105,675	200	96,945	.....	... .	446	670	.....	.....	160	.....
639	8,000	305	9,000	20	.....	50	65	500	.....	9	.....
640	20,000	150	12,703	no	no	30	10	3,000	4,140	35	.....
641	16,000	280	13,000	10	.....	100	235	1,200	3,500	6	1
642	1,500	160	2,600	25	.....	16	.....	60	.....	3	.....
643	10,000	....	231,000	no	no	183	200	2,000	....	48	.....
644	70,500	300	38,413	.....	yes	153	285	.....	.....	26	.. . .
645	60,000	295	31,208	....	1	180	540	.....	14,500	16	.....

Miscellaneous

646	12,000	300	15,000	yes	.....	311	136	.....	.....	15	.....
647	30,000	313	50,800	.....	20	705	335	526	.....	20	.....
648	50,000	300	100,000	.....	25	300	400	200	.....	30	20
649	40,000	300	120,000	.....	50	100	800	.....	.....	14	60
650	10,000	300	35,000	.....	.....	220	250	75	.....	12	3

FROM MANUFACTURERS.

CEMENT WORKS.—TABLE No. 31.

Total wages paid during year to wage-earners.		Weekly wages paid.				Total No. salaried clerks and officials.		Total salaries paid to clerks, officials, etc., during year.	Wages during year have—		Class of employees affected.		Office No.
		Male.		Female.									
Male.	Female.	Skilled.	Unskilled.	Skilled.	Unskilled.	Male.	Female.		Increased.	Decreased.	Wage-earners.	Clerks officials, etc.	
$	$	$ c.	$ c.	$ c.	$ c.			$	%	%			
4,969	7,175	10 50	4 20	6 60	2 75	1	1	1,860	no	no			618
5,900		10 00	average			1		817					619
7,500		24 00	12 00			1			no	no			620
6,220		17 00	11 00			3		8,433	no	no			621
67,211		9 00	8 40			9	2	5,410	7½		7½		622
33,410		13 50	9 00			3		5,300	no	no			623
1,800		16 00	10 00			1	1	1,200	no	no			624
9,328		12 75	9 75			1		1,500	5		skilled		625
4,000		8 70	average										626
15,000		10 50	average			2		1,500		10	10		627
14,366		21 00	5 00				1	260	no	no			628
8,000		13 50	8 25			9	3	8,700	no	no			629
32,150		13 20	8 70			6		4,500		3	3		630
7,231		9 60				1		330	no	no			631
14,000		15 00	10 50			4	1			yes			632
47,569		10 57	average			3		5,910	no	no			633
28,000		15 00	9 60			4		4,800		10	10	10	634
45,379		15 00	9 00			6		9,331		30	unsk'd		635
20,000		44 00	9 00			4	2	5,500					636
7,408		15 50	12 00			3		2,652	no	no			637
30,194		11 25	average			4		3,823					638
4,000		12 00	6 00						15		15		639
7,469		8 50	average						no	no			640
2,800	200	11 40	average	4 25		2	2	1,800	no	no			641
630		9 00							no	no			642
12,650		18 00	12 00			1		1,000	no	no			643
11,102		12 00	9 60			2		1,300	yes		yes		644
6,886		12 00	9 00			2		4,000	no	no			645

MANUFACTURES.—TABLE No. 32.

8,000		10 67	average				1	416	yes				646
12,800		23 40	9 60			8	1	8,306	no	no			647
15,000	5,000	10 00		5 00		2	2		no	no			648
4,500	5,400	6 50	average	3 60		1	1	1,200	no	no			649
3,850	950	12 00	9 00	6 00					no	no			650

WAGES AND THEIR PROPORTION TO PRODUCT.

The following table gives the annual and daily wages paid in the respective industries and the proportion they bear to the amount of the gross product. From the fact that 42 of the establishments in the previous table omit details necessary for these calculations they could not be included in this table, which contains only 610 of them. The average percentage of wages paid to the value of the gross product has increased, being 28.25 per cent. as compared with 25.34 per cent. in the previous year.

TABLE SHOWING WAGES AND SALARIES AND SHARE OF PRODUCT.

LUMBER MANUFACTURERS.—TABLE No. 1.

Schedule No.	Number of persons employed.	Number of days in operation.	Amount paid in wages and salaries.	Gross value of product.	Employees' average annual earnings.	Employees' daily rate of pay.	Per cent. wages of gross value of product.	Per cent. cost of material, interest, insurance, taxes, etc., and profit.	Schedule No.
			$	$	$ c.	$ c.	%	%	
1	380	200	198,500	775,000	522 37	2 61	26	74	1
2	35	150	20,500	70,000	585 71	3 90	29	71	2
3	247	142	81,531	346,706	330 09	2 32	24	76	3
4	325	200	74,200	225,000	228 31	1 14	33	67	4
5	26	30	1,800	6,000	69 23	2 31	30	70	5
6	180	150	53,000	560,000	294 44	1 95	11	89	6
7	168	142	60,300	375,000	358 93	2 53	16	84	7
9	559	195	129,200	460,000	231 13	1 19	28	72	9
10	18	300	11,200	12,000	622 22	2 07	93	7	10
12	47	225	20,000	30,000	425 53	1 90	67	33	12
13	115	150	49,500	175,000	430 43	2 87	28	72	13
14	82	200	34,000	60,000	414 63	2 07	57	43	14
15	104	300	54,200	150,000	521 15	1 74	36	64	15
16	123	148	53,310	221,000	433 31	2 93	24	76	16
18	16	240	7,755	50,000	484 69	2 02	16	84	18
19	7	305	2,200	5,000	314 29	1 03	44	56	19
20	40	150	20,000	80,000	500 00	3 33	25	75	20
21	49	100	11,312	15,000	230 86	2 31	75	25	21
22	30	150	5,000	23,000	166 67	1 11	22	78	22
23	7	300	2,880	10,000	411 43	1 37	29	71	23
25	353	180	83,500	450,000	236 54	1 31	19	81	25
27	53	150	14,500	100,000	273 54	1 82	15	85	27
28	125	210	50,000	225,000	400 00	1 90	22	78	28
29	35	305	17,800	350,000	508 57	1 67	51	49	29
	3,124	Average 189	1,056,188	4,713,706	Average 374 75	Average 2 06	Average 34	Average 66	

PLANING MILLS, SASH AND DOOR FACTORIES, ETC.—TABLE No. 2.

Schedule No.	Number of persons employed.	Number of days in operation.	Amount paid in wages and salaries.	Gross value of product.	Employees' average annual earnings.	Employees' daily rate of pay.	Per cent. wages of gross value of product.	Per cent. cost of material, interest, insurance, taxes, etc., and profit.	Schedule No.
			$	$	$ c.	$ c.	%	%	
30	32	300	12,000	40,000	375 00	1 25	30	70	30
31	61	308	24,585	127,000	403 03	1 31	19	81	31
32	31	305	15,860	20,000	318 06	1 04	79	21	32
33	42	292	23,540	56,252	608 10	2 08	42	58	33
34	124	300	63,000	125,000	508 06	1 69	50	50	34
35	10	275	4,250	38,750	425 00	1 55	11	89	35
37	4	307	1,820	29,400	455 00	1 48	6	94	37
38	22	300	9,012	47,000	409 64	1 37	19	81	39
42	13	295	7,464	53,850	573 92	1 95	16	84	42
43	22	300	11,200	54,000	509 09	1 70	21	79	43
44	57	300	27,[illegible]10	125,000	491 91	1 64	22	78	44
45	39	300	22,000	140,000	564 16	1 88	16	84	45
46	37	305	19,500	87,000	527 03	1 73	22	78	46
47	40	309	25,352	35,000	633 80	2 11	72	28	47
48	35	275	17,000	50,000	485 71	1 77	34	66	48
49	32	300	19,286	75,600	602 50	2 01	26	74	49
50	58	300	31,630	115,000	545 34	1 82	28	72	50
51	5	300	3,000	8,172	600 00	2 00	37	63	51
52	16	300	6,628	33,000	414 25	1 38	20	80	52
54	41	310	19,469	127,000	473 17	1 53	15	85	54
55	34	300	17,768	51,000	522 60	1 74	35	65	55
56	122	300	44,100	350,000	361 48	1 20	13	87	56
	875	Average 299	425,356	1,687,424	Average 491 22	Average 1 65	Average 29	Average 71	

WOODWORKING FACTORIES SPECIALTIES IN WOODENWARE.—TABLE No. 3.

57	30	300	15,000	75,000	500 00	1 67	20	80	57
58	20	300	8,000	14,500	400 00	1 33	55	45	58
59	14	298	6,090	7,000	428 57	1 44	86	14	59
61	67	300	28,500	150,000	425 37	1 42	19	81	61
62	41	250	14,137	40,000	344 80	1 38	35	65	62
63	8	305	4,774	17,093	596 75	1 96	28	72	63
64	6	300	2,500	5,000	416 67	1 39	50	50	64
65	124	300	24,635	250,000	198 67	66	10	90	65
66	65	305	27,500	47,500	423 08	1 39	58	42	66
67	80	300	52,807	412,000	660 09	2 20	13	87	67
68	145	300	60,552	180,000	417 60	1 39	34	66	68
69	50	225	18,000	60,000	360 00	1 60	30	70	69
70	29	305	14,796	110,000	510 21	1 67	14	86	70
71	45	305	21,968	84,786	488 18	1 60	26	74	71
72	32	300	14,000	75,000	437 50	1 46	19	81	72
73	10	310	5,000	15,000	500 00	1 61	33	67	73
74	7	305	2,600	4,600	371 43	1 22	57	43	74
75	26	300	13,000	48,000	500 00	1 67	27	73	75
76	35	305	7,000	25,000	200 00	66	28	72	76
77	4	300	1,456	6,500	364 00	1 21	22	78	77
78	31	300	12,900	33,000	416 13	1 39	39	61	78
79	31	300	12,239	29,691	395 16	1 32	41	59	79
80	62	305	26,300	132,000	424 19	1 39	20	80	80
81	102	305	39,900	95,000	391 18	1 28	42	58	81
82	25	280	8,500	32,000	340 00	1 22	27	73	82
83	54	250	17,000	84,000	314 81	1 26	20	80	83
84	10	300	3,000	9,000	300 00	1 00	33	67	84
85	5	300	3,672	24,000	734 40	2 45	15	85	85
86	5	250	2,000	5,000	400 00	1 60	40	60	86
	1,163	Average 293	467,[illegible]36	2,070,679	Average [illegible]	Average 1 44	Average 33	Average 67	

TABLE SHOWING WAGES AND SALARIES AND SHARE OF PRODUCT.—*Continued.*

FURNITURE MANUFACTURERS AND BANK-OFFICE FITTINGS.—TABLE No. 4.

Schedule No.	Number of persons employed.	Number of days in operation.	Amount paid in wages and salaries.	Gross value of product.	Employees' average annual earnings.	Employees' daily rate of pay.	Per cent. wages of gross value of product.	Per cent. cost of material, interest, insurance, taxes, etc., and profit.	Schedule No.
			$	$	$ c.	$ c.			
87	151	295	53,100	174,250	351 66	1 19	30	70	87
88	56	300	20,168	50,750	360 10	1 20	40	60	88
89	222	250	168,000	216,212	441 44	1 77	50	50	89
90	33	300	19,800	44,000	600 00	2 00	45	55	90
91	43	250	17,311	50,000	402 58	1 61	35	65	91
92	33	283	10,550	32,000	319 70	1 13	33	67	92
93	47	300	18,122	43,252	385 57	1 27	42	58	93
94	13	305	4,000	37,000	307 69	1 01	11	89	94
95	50	300	24,800	107,000	496 00	1 65	23	77	95
96	96	310	53,200	203,520	554 17	1 79	26	74	96
98	43	300	14,282	53,812	332 14	1 11	27	73	98
100	52	300	23,000	100,000	442 31	1 47	23	77	100
102	1	300	600	2,474	600 00	2 00	24	76	102
103	105	275	39,503	100,000	376 22	1 37	40	60	103
104	32	290	10,000	50,000	312 50	1 08	20	80	104
105	13	288	3,300	20,000	253 85	88	17	83	105
106	106	305	64,500	250,000	608 49	1 99	26	74	106
107	62	280	22,000	90,000	354 84	1 27	24	76	107
108	68	275	28,500	100,000	419 12	1 52	29	71	108
109	110	300	41,602	98,000	378 20	1 26	42	58	109
110	79	300	33,000	90,000	417 72	1 39	37	63	110
111	53	303	20,050	53,000	378 30	1 25	38	62	111
112	69	305	23,500	83,000	340 58	1 12	28	72	112
113	54	301	25,728	78,867	476 44	1 58	33	67	113
114	202	275	96,279	255,381	476 62	1 73	34	66	114
115	81	305	36,000	130,000	444 44	1 46	28	72	115
116	271	277	103,797	300,000	383 01	1 38	35	65	116
117	31	249	11,612	35,035	374 58	1 50	33	67	117
		Average			Average	Average	Average	Average	
	2,176	290	926,304	2,847,553	418 87	1 42	31	69	

CARRIAGES, VEHICLES AND PARTS THEREOF, MOTORS, ETC—TABLE No. 5.

118	16	300	7,300	35,000	456 25	1 52	21	79	118
119	42	266	22,820	68,228	543 33	2 04	33	67	119
120	110	312	64,620	268,167	587 45	1 88	24	76	120
121	270	300	127,505	393,988	472 24	1 57	32	68	121
122	141	285	58,676	248,274	416 14	1 46	24	76	122
123	11	300	4,500	20,000	409 10	1 36	23	77	123
124	41	279	15,398	39,565	375 56	1 35	39	61	124
125	13	191	5,246	30,000	403 54	2 11	18	82	125
126	316	305	146,488	534,912	463 57	1 52	27	73	126
127	11	305	6,000	13,000	545 45	1 78	46	54	127
129	32	250	11,500	60,000	359 38	1 44	19	81	129
130	95	300	43,000	165,000	431 58	1 44	26	74	130
131	37	180	17,250	75,000	466 22	2 59	23	77	131
132	16	310	7,100	20,000	443 75	1 40	36	64	132
133	52	290	15,000	150,000	288 46	1 00	10	90	133
134	11	290	5,172	15,838	470 19	1 62	33	67	134
135	17	300	8,000	30,000	470 60	1 57	27	73	135
136	88	305	46,657	196,486	530 20	1 74	24	76	136
137	156	250	61,760	200,000	395 90	1 58	31	69	137
138	84	250	32,400	200,000	385 71	1 54	16	84	138
		Average			Average	Average	Average	Average	
	1,559	278	706,392	2,763,458	445 73	1 63	27	73	

TABLE SHOWING WAGES AND SALARIES AND SHARE OF PRODUCT.—*Continued.*

AGRICULTURAL IMPLEMENTS, DAIRY MACHINERY, ETC.—TABLE NO. 6.

Schedule No	Number of persons employed.	Number of days in operation.	Amount paid in wages and salaries.	Gross value of product.	Employees' average annual earnings.	Employees' daily rate of pay.	Per cent. wages of gross value of product.	Per cent. cost of material, interest, insurance, taxes, etc., and profit.	Schedule No.
			$	$	$ c.	$ c.	%	%	
139	27	240	7,333	19,877	271 59	1 13	37	63	139
140	35	300	13,960	85,000	398 86	1 33	16	84	140
141	62	250	47,250	200,000	762 10	3 05	24	76	141
142	9	300	4,081	11,000	453 44	1 51	37	63	142
143	8	257	2,700	6,500	339 50	1 32	42	58	143
144	15	300	9,222	26,232	614 80	2 05	35	65	144
145	22	300	8,665	22,000	393 86	1 31	39	61	145
146	27	305	9,500	51,000	351 85	1 15	19	81	146
148	65	305	20,000	250,000	307 69	1 01	8	92	148
149	66	300	35,597	147,095	539 35	1 80	24	76	149
150	32	280	19,371	100,000	605 34	2 16	19	81	150
151	111	300	43,200	151,000	389 19	1 30	29	71	151
152	192	250	70,000	500,000	364 58	1 46	14	86	152
153	38	305	16,200	150,000	426 32	1 40	11	89	153
154	34	305	12,450	74,500	366 18	1 53	17	83	154
155	7	300	2,500	10,500	357 14	1 19	24	76	155
156	76	312	42,000	100,000	552 63	1 77	42	58	156
157	23	228	8,100	25,000	352 17	1 54	32	68	157
	849	Average 285	372,129	1,929,704	Average 435 92	Average 1 56	Average 26	Average 74	

PIANO, ORGAN AND MUSICAL INSTRUMENT FACTORIES.—TABLE NO. 7.

158	106	295	37,258	123,732	351 50	1 19	30	70	158
159	12	150	1,200	7,000	100 00	67	17	83	159
160	2	290	615	3,300	307 50	1 06	19	81	160
161	31	300	12,500	68,846	403 23	1 34	18	82	161
162	53	305	22,331	65,000	421 34	1 38	35	65	162
163	47	305	15,300	50,000	319 15	1 05	31	69	163
164	36	285	16,867	54,216	468 53	1 64	31	69	164
165	25	300	15,000	50,000	600 00	2 00	30	70	165
166	278	250	115,000	350,000	413 67	1 65	33	67	166
	590	Average 276	236,071	772,094	Average 376 10	Average 1 33	Average 27	Average 73	

WOODPULP, PAPER AND STATIONERY.—TABLE NO. 8.

167	12	270	7,800	31,000	650 00	2 33	25	75	167
168	24	305	6,200	25,000	258 33	85	25	75	168
169	306	310	168,795	850,000	551 62	1 78	20	80	169
170	9	290	3,600	15,300	400 00	1 39	24	76	170
172	23	300	7,300	30,000	317 35	1 06	24	76	172
173	83	300	26,900	65,000	324 10	1 08	41	59	173
174	20	305	6,102	20,000	305 10	1 00	31	69	174
175	16	300	6,050	25,000	378 13	1 26	24	76	175
176	88	300	57,725	104,000	655 98	2 19	56	44	176
177	53	303	28,033	185,000	528 92	1 75	15	85	177
178	18	305	5,151	40,000	286 17	94	13	87	178
180	205	260	79,559	439,237	389 07	1 50	18	82	180
181	30	300	10,000	60,000	333 33	1 11	17	83	181
181a	18	250	10,800	45,000	599 99	2 40	24	76	181a
	905	Average 293	424,015	1,934,237	427 01	Average 1 47	Average 26	Average 74	

TABLE SHOWING WAGES AND SALARIES AND SHARE OF PRODUCT.—*Continued.*

FOUNDRIES, ROLLING MILLS, STRUCTURAL IRON.—TABLE No. 9.

Schedule No.	Number of persons employed.	Number of days in operation.	Amount paid in wages and salaries.	Gross value of product.	Employees' average annual earnings.	Employees' daily rate of pay.	Per cent. wages of gross value of product.	Per cent. cost of material, interest, insurance, taxes, etc., and profit.	Schedule No.
			$	$	$ c.	$ c.	%	%	
182	224	300	108,650	225,000	477 90	1 59	48	52	182
183	156	260	71,805	371,814	460 29	1 77	19	81	183
184	107	263	65,904	315,362	615 93	2 34	21	79	184
185	230	276	124,770	355,336	542 48	1 97	35	65	185
186	35	271	19,748	39,856	564 23	2 08	50	50	186
187	34	275	22,450	41,000	660 29	2 40	55	45	187
188	5	305	4,000	8,000	800 00	2 62	50	50	188
189	38	300	15,952	51,441	419 80	1 40	31	69	189
190	288	300	142,948	796,000	496 56	1 66	18	82	190
191	26	250	14,890	40,000	572 69	2 29	37	63	191
192	118	300	61,662	150,000	522 56	1 74	41	59	192
193	80	300	50,205	115,000	627 56	2 09	44	56	193
194	31	300	15,500	32,000	500 00	1 67	48	52	194
195	125	260	70,600	310,000	564 50	2 17	23	77	195
197	21	304	13,285	24,395	633 67	2 07	54	46	197
198	16	300	6,000	12,000	375 00	1 25	50	50	198
		Average			Average	Average	Average	Average	
	1,534	285	808,359	2,887,204	552 10	1 94	39	61	

STOVES, HOT AIR FURNACES, ETC.—TABLE No. 10.

199	55	285	28,500	75,000	518 18	1 82	38	62	199
200	130	300	49,320	107,000	379 38	1 90	46	54	200
201	41	300	36,500	170,000	890 44	2 97	21	79	201
202	65	310	32,500	125,000	500 00	1 61	26	74	202
203	112	305	52,000	150,000	464 29	1 52	35	65	203
204	65	265	35,661	70,000	548 63	2 07	51	49	204
205	81	290	51,320	192,000	633 58	2 18	26	74	205
206	18	240	9,100	21,000	505 56	2 12	43	57	206
207	45	305	27,244	70,000	600 54	1 97	39	61	207
208	44	310	23,000	80,000	522 73	1 69	29	71	208
		Average			Average	Average	Average	Average	
	656	281	345,145	1,060,000	556 33	1 99	35	65	

ENGINE, BOILER AND MACHINERY FACTORIES.—TABLE No. 11.

209	20	300	10,131	41,823	506 55	1 69	24	76	209
210	18	275	8,180	30,000	454 44	1 65	27	73	210
212	29	300	16,481	32,101	568 31	1 89	51	49	212
213	334	302	140,529	420,000	419 91	1 39	33	67	213
214	23	300	12,466	30,000	542 00	1 81	42	58	214
215	16	300	5,494	8,760	343 38	1 14	63	37	215
216	18	286	8,315	18,552	461 94	1 62	45	55	216
218	24	305	18,500	38,000	770 83	2 59	48	52	218
219	246	280	127,301	500,000	517 48	1 85	25	75	219
220	175	305	92,565	280,000	528 94	1 73	34	66	220
221	41	300	21,300	115,000	519 51	1 73	19	81	221
222	53	300	20,000	65,000	377 36	1 29	31	69	222
223	249	300	116,692	1,000,000	468 64	1 56	12	88	223
224	178	285	87,444	245,336	491 26	1 72	36	64	224
225	10	305	4,500	13,000	450 00	1 48	35	65	225
226	55	300	22,500	50,000	409 09	1 36	45	55	226
227	14	305	9,433	13,420	673 79	2 21	70	30	227

TABLE SHOWING WAGES AND SALARIES AND SHARE OF PRODUCT.—*Continued.*

TABLE NO. 11.—*Continued.*

Schedule No	Number of persons employed.	Number of days in operation.	Amount paid in wages and salaries.	Gross value of product.	Employees' average annual earnings.	Employees' daily rate of pay.	Per cent. wages of gross value of product.	Per cent. cost of material, interest, insurance, taxes, etc., and profit.	Schedule No.
			$	$	$ c.	$ c.	%	%	
228	43	300	21,500	80,000	500 00	1 67	29	71	228
229	389	280	216,850	593,700	557 53	1 99	37	63	229
230	46	310	31,800	65,000	691 30	2 23	49	51	230
231	10	305	5,000	10,000	500 00	1 64	50	50	231
232	42	300	19,900	55,000	473 81	1 58	36	64	232
233	11	300	5,646	10,000	513 27	1 71	56	44	233
234	27	300	12,000	13,000	459 26	1 53	92	8	234
235	46	313	28,895	60,000	628 15	2 01	48	52	235
236	15	300	5,950	25,000	396 67	1 32	24	76	236
237	12	300	9,350	18,000	779 17	2 60	52	48	237
238	82	300	24,080	80,000	292 68	98	30	70	238
239	28	300	11,800	22,000	421 43	1 40	53	47	239
240	5	305	2,675	10,000	535 00	1 08	27	73	240
241	3	300	2,000	5,000	666 67	2 22	40	60	241
242	6	313	4,200	11,000	700 00	2 24	38	62	242
243	139	188	50,120	250,000	360 58	1 92	20	80	243
244	19	305	24,728	50,000	1,301 47	4 27	49	51	244
245	18	300	8,440	25,000	562 67	1 88	34	66	245
247	105	308	62,754	218,000	597 94	1 94	29	71	247
248	170	300	69,225	232,755	407 21	1 36	30	70	248
	2,719	Average 297	1,338,454	4,736,447	Average 5.6 44	Average 1 79	Average 40	Average 60	

METALLIC ROOFING AND LIGHT IRON WARE.—TABLE NO. 12.

249	31	305	19,500	60,000	629 03	2 06	33	67	249
250	70	305	30,000	130,000	428 57	1 41	23	77	250
251	241	300	118,000	441,000	489 62	1 63	27	73	251
252	15	300	8,250	29,000	550 00	1 83	28	72	252
253	75	230	27,650	91,000	368 67	1 60	40	60	253
254	10	300	35,000	9,000	350 00	1 17	39	61	254
255	32	300	14,569	90,000	455 28	1 52	16	84	255
256	36	305	16,500	60,000	458 33	1 50	28	72	256
257	94	313	41,523	83,000	441 73	1 41	50	50	257
258	100	305	45,000	200,000	450 00	1 48	23	77	258
259	5	305	3,000	5,000	600 00	1 91	60	40	259
260	120	300	65,000	500,000	541 67	1 81	13	87	260
261	156	260	69,483	223,798	445 40	1 71	31	69	261
262	45	275	19,300	71,000	428 89	1 92	27	73	262
263	16	300	7,800	43,000	437 50	1 63	18	82	263
264	15	300	5,575	20,000	371 67	1 24	29	71	264
265	10	300	4,028	5,900	402 80	1 34	68	32	265
266	48	300	16,800	30,000	350 00	1 57	42	58	266
267	241	300	118,000	441,000	489 62	1 63	27	73	267
268	27	300	13,000	39,177	481 48	1 60	33	67	268
269	81	346	41,600	151,000	513 58	1 48	28	72	269
270	5	280	3,580	5,000	716 00	2 56	72	28	270
271	59	300	35,047	335,227	594 02	1 98	11	89	271
	1,532	Average 297	726,705	3,073,102	Average 477 99	Average 1 65	Average 33	Average 67	

TABLE SHOWING WAGES AND SALARIES AND SHARE OF PRODUCT.—*Continued.*

WIRE FENCE, ROPE AND CLOTH FACTORIES.—TABLE No. 13.

Schedule No	Number of persons employed.	Number of days in operation.	Amount paid in wages and salaries.	Gross value of product.	Employees' average annual earnings.	Employees' daily rate of pay.	Per cent. wages of gross value of product.	Per cent. cost of material, interest, insurance, taxes, etc., and profit.	Schedule No.
			$	$	$ c.	$ c.	%	%	
272	253	306	115,611	410,608	456 96	1 49	28	72	272
273	12	300	7,600	70,000	633 33	2 11	11	89	273
274	16	300	4,561	30,000	285 06	95	15	85	274
275	37	250	26,000	300,000	274 21	1 10	9	91	275
276	69	250	46,800	300,000	678 26	2 71	16	84	276
277	23	300	7,500	20,000	326 09	1 09	38	62	277
278	2	290	575	2,000	287 50	1 00	29	71	278
279	12	313	4,850	7,000	404 16	1 29	69	31	279
280	67	300	46,000	200,000	686 57	2 29	23	77	280
281	17	200	5,300	30,000	311 77	1 56	18	82	281
	508	Average 281	264,797	1,369,608	Average 434 39	Average 1 56	Average 26	Average 74	

BRASSWARE AND PLUMBERS' SUPPLIES.—TABLE No. 14.

283	161	305	60,000	333,000	372 67	1 22	18	82	283
285	63	300	21,540	50,000	341 90	1 14	43	57	285
286	26	290	12,675	47,000	487 50	1 68	27	73	286
287	35	250	11,954	56,278	341 54	1 37	21	79	287
288	99	300	34,668	30,000	350 18	1 17	100	.....	288
289	36	305	15,692	48,000	435 89	1 43	33	67	289
290	33	305	18,289	53,161	554 21	1 82	34	66	290
291	21	270	5,234	25,000	249 24	0 92	21	79	291
292	53	305	64,400	90,000	1,215 09	3 98	72	28	292
293	21	300	10,000	30,000	485 71	1 62	33	67	293
294	83	305	35,000	130,000	421 69	1 38	27	73	294
295	36	300	11,536	75,000	320 44	1 07	15	85	295
296	4	295	2,800	8,500	700 00	2 37	33	67	296
	671	Average 295	303,788	975,939	Average 482 77	Average 1 63	Average 37	Average 63	

SILVER-PLATED WARE AND JEWELLERY FACTORIES.—TABLE No. 15.

298	32	275	9,100	40,000	248 38	1 03	23	77	298
299	8	300	3,816	4,000	477 00	1 59	95	5	299
300	85	285	37,920	100,000	446 12	1 57	38	62	300
301	88	292	46,992	78,578	534 00	1 83	59	41	301
	213	Average 288	97,828	222,578	Average 426 38	Average 1 51	Average 54	Average 46	

TABLE SHOWING WAGES AND SALARIES AND SHARE OF PRODUCT.—*Continued.*

WOOLLEN, COTTON AND YARN MILLS.—TABLE No. 16.

Schedule No	Number of persons employed.	Number of days in operation.	Amount paid in wages and salaries.	Gross value of product.	Employees' average annual earnings.	Employees' daily rate of pay.	Per cent. wages of gross value of product.	Per cent. cost of material, interest, insurance, taxes, etc., and profit.	Schedule No.
302	313	214	102,500	512,000	327 57	1 53	20	80	302
303	1,076	240	309,800	1,480,000	287 92	1 20	21	79	303
304	7	305	5,160	6,600	737 14	2 42	78	22	304
307	25	250	7,450	12,000	298 00	1 19	62	38	307
308	29	276	11,940	50,000	411 72	1 49	30	70	308
309	9	175	2,092	9,000	232 44	1 33	23	77	309
310	30	300	8,000	40,000	266 67	89	20	80	310
311	14	147	1,907	11,000	136 21	93	18	82	311
312	268	288	74,300	288,000	277 24	96	26	74	312
313	24	229	5,250	17,500	218 75	96	30	70	313
315	70	313	30,612	130,000	437 31	1 40	24	76	315
316	48	238	8,000	11,000	166 67	70	73	27	316
317	35	210	8,000	17,000	228 57	1 09	47	53	317
318	50	250	15,000	40,000	300 00	1 20	37	63	318
319	130	312	38,835	185,000	298 73	96	21	79	319
320	28	300	15,000	60,000	535 71	1 79	25	75	320
321	28	295	6,451	30,000	230 40	78	22	78	321
		Average			Average	Average	Average	Average	
	2,184	255	650,297	2,899,100	317 12	1 22	34	66	

KNITTED GOODS FACTORIES.—TABLE No. 17.

322	95	250	14,525	41,500	215 77	86	35	65	322
323	38	300	14,200	50,000	373 68	1 25	28	72	323
324	29	300	6,050	30,000	208 62	70	20	80	324
325	115	305	34,500	150,000	300 00	88	23	77	325
326	194	300	68,483	350,000	353 01	1 18	20	80	326
327	84	250	31,000	135,000	369 05	1 60	23	77	327
328	35	300	8,200	29,000	234 29	78	28	72	328
329	52	250	11,275	96,000	216 73	83	12	88	329
331	180	300	60,000	300,000	333 33	1 11	20	80	331
332	50	305	14,625	61,000	292 50	96	24	76	332
333	38	275	12,000	70,000	315 79	1 15	17	83	333
334	50	300	14,985	80,000	299 70	1 00	19	81	334
		Average			Average	Average	Average	Average	
	930	285	289,843	1,392,500	242 71	1 03	22	78	

CLOTHING FACTORIES, MILLINERY, ETC.—TABLE No. 18.

335	185	300	60,000	240,000	324 32	1 08	25	75	335
336	59	271	17,950	129,000	304 24	1 12	14	86	336
337	32	150	7,355	14,000	229 84	1 53	52	48	337
338	15	300	2,433	23,000	162 22	0 54	11	89	338
339	38	300	13,435	26,000	353 55	1 18	51	49	339
340	100	270	35,000	175,000	350 00	1 30	20	80	340
341	123	275	31,205	150,000	253 70	0 92	21	79	341
342	40	300	14,526	113,000	363 15	1 21	13	87	342
343	55	295	7,409	44,445	134 71	0 46	17	83	343
344	213	305	85,800	240,000	402 82	1 32	35	65	344
345	70	150	10,740	30,000	153 43	1 02	36	64	345
346	75	275	5,000	70,000	66 66	0 24	7	93	346
347	109	300	33,027	200,000	303 00	1 01	17	83	347

TABLE SHOWING WAGES AND SALARIES AND SHARE OF PRODUCT.—*Continued.*

TABLE NO. 18.—*Continued.*

Schedule No	Number of persons employed.	Number of days in operation.	Amount paid in wages and salaries.	Gross value of product.	Employees' average annual earnings.	Employees' daily rate of pay.	Per cent. wages of gross value of product.	Per cent. cost of material, interest, insurance, taxes, etc., and profit.	Schedule No.
			$	$	$ c.	$ c.	%	%	
348	52	300	21,700	75,000	417 31	1 39	29	71	348
349	384	305	128,200	400,000	333 85	1 09	32	68	349
350	34	250	15,500	75,000	455 88	1 82	21	79	350
351	25	285	7,244	23,300	289 75	1 02	31	69	351
352	29	300	16,900	34,000	582 76	1 94	50	50	352
353	21	305	4,922	34,000	234 38	0 77	14	86	353
354	75	317	35,500	90,000	473 33	1 49	39	61	354
355	82	300	23,950	90,000	292 07	0 97	27	73	355
356	38	300	15,300	25,000	402 63	1 34	61	39	356
357	76	300	29,130	135,000	383 30	1 28	22	78	357
	1,930	Average 281	622,226	2,435,745	Average 315 95	Average 1 13	28	72	

BOOT AND SHOE FASTENERS.—TABLE NO. 19.

358	68	225	12,067	20,000	177 46	79	60	40	358
359	60	305	24,000	160,000	400 00	1 31	15	85	359
360	50	275	15,000	75,000	300 00	1 09	20	80	360
361	100	260	36,000	150,000	360 00	1 38	24	76	361
362	98	294	39,389	165,000	401 92	1 37	24	76	362
363	75	250	23,559	153,600	314 12	1 26	15	85	363
364	2	305	800	2,500	400 00	1 33	32	68	364
365	53	300	19,200	88,400	362 26	1 21	22	78	365
366	110	258	70,000	250,000	636 36	2 43	28	72	366
367	393	285	142,597	1,100,000	362 84	1 24	13	87	367
368	75	305	25,697	196,000	342 63	1 12	13	87	368
369	54	299	22,007	97,400	407 54	1 36	23	77	369
370	26	230	10,300	30,000	396 15	1 72	34	66	370
371	75	297	31,025	107,747	413 67	1 39	29	71	371
372	75	300	32,500	170,000	433 33	1 44	19	81	372
373	21	306	11,092	66,872	528 19	1 73	17	83	373
374	163	300	66,456	260,000	407 71	1 36	26	74	374
375	88	305	32,500	150,000	369 32	1 21	22	78	375
376	40	305	10,000	50,000	250 00	82	20	80	376
377	38	295	11,050	64,500	290 79	98	17	83	377
378	141	300	55,768	265,000	395 52	1 32	21	79	378
379	70	288	21,709	46,754	310 13	1 08	46	54	379
380	85	305	29,220	92,000	343 76	1 13	32	68	380
381	69	285	22,500	100,000	326 23	1 14	23	77	381
382	108	300	60,132	240,000	556 78	1 86	25	75	382
	2,137	Average 287	$824,568	$4,100,773	Average 385 47	Average $1 32	Average 25	Average 75	

FURRIERS, HAT AND CAP FACTORIES.—TABLE NO. 20.

383	95	300	29,000	85,000	305 26	1 02	34	66	383
384	53	300	22,000	80,000	415 09	1 38	28	72	384
385	19	275	6,500	25,000	342 11	1 24	26	74	385
386	30	285	6,500	60,000	216 67	0 75	11	89	386
387	20	300	13,000	30,000	650 00	2 17	43	57	387
388	44	250	15,000	75,000	340 91	1 36	20	80	388
390	60	306	29,576	193,132	492 93	1 61	15	85	390
	321	Average 288	$121,576	$548,132	Average $394 71	Average $1 36	Average 25	Average 73	

TABLE SHOWING WAGES AND SALARIES AND SHARE OF PRODUCT.—*Continued.*

TANNERIES, HARNESS FACTORIES, ETC.—TABLE No. 21.

Schedule No.	Number of persons employed.	Number of days in operation.	Amount paid in wages and salaries.	Gross value of product.	Employees' average annual earnings.	Employees' daily rate of pay.	Per cent. wages of gross value of product.	Per cent. cost of material, interest, insurance, taxes, etc., and profit.	Schedule No.
			$	$	$ c.	$ c.	%	%	
391	6	300	2,600	30,000	433 33	1 44	9	91	391
392	10	300	5,780	83,000	578 00	1 93	7	93	392
393	36	313	11,100	100,000	308 33	0 97	11	89	393
394	31	300	14,500	88,000	467 74	1 57	16	84	394
395	52	300	15,000	50,000	288 46	0 73	30	70	395
396	13	300	5,593	50,393	430 23	1 43	11	89	396
397	32	300	14,000	325,000	436 50	1 46	4	96	397
398	56	300	15,572	65,000	278 07	0 92	24	76	398
399	8	305	3,809	30,000	476 13	1 56	13	87	399
400	95	300	39,000	627,000	410 53	1 37	6	94	400
401	39	300	13,000	38,000	333 33	1 11	34	66	401
402	210	300	60,000	300,000	285 71	0 95	20	80	402
403	26	300	14,578	40,000	560 69	1 87	36	64	403
404	57	260	23,600	132,000	414 04	1 59	18	82	404
405	132	300	72,000	500,000	545 45	1 82	14	86	405
406	14	300	8,668	66,872	619 14	2 06	13	87	406
407	7	305	3,008	20,000	429 71	1 41	15	85	407
409	4	300	2,000	16,000	500 00	1 67	13	87	409
410	98	300	36,000	140,000	367 35	1 22	25	75	410
411	152	329	96,000	809,000	638 16	2 13	12	88	411
412	2	150	625	5,000	312 50	2 08	13	87	412
	1,080	Average 292	$456,133	$3,506,263	Average $434 45	Average 1 49	Average 16	Average 84	

FLOUR AND FEED MILLS, CEREAL FOODS.—TABLE No. 22.

413	31	300	14,000	100,000	451 61	1 51	14	86	413
414	6	300	3,500	100,000	583 33	1 94	4	96	414
415	428	291	141,588	3,571,800	330 81	1 14	4	96	415
416	5	305	2,304	25,000	452 80	1 48	9	91	416
417	6	200	3,200	45,000	533 33	2 67	7	93	417
418	14	300	8,840	204,000	631 43	2 10	4	96	418
419	12	275	4,560	65,000	380 00	1 38	7	93	419
420	6	300	2,534	43,000	422 33	1 41	6	94	420
421	11	300	6,364	125,000	578 55	1 93	5	95	421
422	8	275	4,525	110,000	565 62	2 05	4	96	422
423	16	250	8,270	180,000	517 31	2 07	5	95	423
424	3	300	1,800	25,000	600 00	2 00	5	95	424
425	13	300	6,900	150,000	300 00	1 00	5	95	425
427	7	300	3,700	100,000	528 57	1 76	4	96	427
428	5	305	3,000	40,000	609 00	1 97	8	92	428
429	13	300	6,619	178,307	509 15	1 70	4	96	429
430	15	200	9,400	200,000	626 67	3 13	5	95	430
431	9	300	5,200	150,000	577 78	1 83	4	96	431
432	31	300	16,400	350,000	529 03	1 76	5	95	432
433	13	300	10,120	113,987	778 46	2 89	9	91	433
434	10	300	6,270	230,000	627 00	2 09	3	97	434
435	23	200	118,162	3,619,640	502 08	2 51	3	97	435
436	8	300	3,920	100,000	490 00	1 63	4	96	436
437	7	251	3,740	65,000	534 29	2 13	6	94	437
438	26	312	12,000	200,000	461 54	1 48	6	94	438
440	12	300	3,840	64,500	320 00	1 07	7	93	440
441	28	305	19,000	200,000	678 56	2 22	10	90	441
443	2	250	750	7,500	390 00	1 56	10	90	443
444	9	305	4,300	160,000	477 78	1 57	3	97	444
445	21	300	9,010	88,000	429 05	1 43	10	90	445
446	18	307	11,906	246,559	661 50	2 15	5	95	446

TABLE SHOWING WAGES AND SALARIES AND SHARE OF PRODUCT.—*Continued.*

TABLE NO. 22.—*Continued.*

Schedule No	Number of persons employed.	Number of days in operation.	Amount paid in wages and salaries.	Gross value of product.	Employees' average annual earnings.	Employees' daily rate of pay.	Per cent. wages of gross value of product.	Per cent. cost of material, interest, insurance, taxes, etc., and profit.	Schedule No.
			$	$	$ c.	$ c.	%	%	
447	17	300	11,108	384,000	653 41	2 18	3	97	447
450	52	300	19,500	250,000	375 00	1 28	8	92	450
451	36	275	18,490	506,780	513 61	1 87	4	96	451
452	9	300	5,000	200,000	555 55	1 85	3	97	452
453	5	310	1,950	35,000	390 00	1 26	6	94	453
454	45	313	25,000	1,200,000	555 55	1 77	2	98	454
455	16	300	8,320	250,000	520 00	1 73	3	97	455
456	10	300	6,269	113,233	626 90	2 09	6	94	456
457	3	314	1,820	30,000	606 67	1 93	6	94	457
458	16	310	8,500	250,852	531 25	1 71	3	97	458
459	17	300	8,380	125,000	492 94	1 64	7	93	459
460	6	313	3,050	65,000	508 33	1 63	5	95	460
461	6	300	3,500	20,000	583 33	1 94	17	83	461
462	9	300	4,644	58,500	516 00	1 72	8	92	462
463	97	305	21,200	1,600,000	218 56	0 76	2	98	463
464	14	307	9,170	200,000	655 00	2 13	5	95	464
465	5	250	2,600	50,000	520 00	2 08	5	95	465
466	46	285	26,087	600,000	567 11	1 99	4	96	466
467	14	283	6,485	120,000	463 21	1 64	5	95	467
468	7	306	3,237	115,000	462 43	1 51	3	97	468
469	6	306	2,817	98,000	469 50	1 53	3	97	469
470	14	306	6,621	220,000	472 93	1 55	3	97	470
471	6	313	3,060	250,000	500 00	1 60	2	98	471
	1,272	Average 291	$662,460	$17,608,658	Average $515 29	Average $1 80	Average 6	Average 94	

BAKERS AND CONFECTIONERS.—TABLE NO. 23.

472	362	300	160,000	700,000	441 99	1 47	23	77	472
473	20	200	6,700	35,000	335 00	1 68	19	81	473
474	47	300	18,111	102,000	385 34	1 28	18	82	474
475	47	305	31,156	156,000	662 89	2 17	20	80	475
476	39	300	15,600	59,165	400 00	1 33	26	74	476
477	36	312	21,430	120,000	595 28	1 91	18	82	477
478	59	300	23,500	110,000	419 82	1 40	21	79	478
479	67	300	21,076	100,000	314 57	1 05	21	79	479
480	165	305	88,000	300,000	533 33	1 75	29	71	480
481	497	305	209,951	1,728,306	422 44	1 39	12	88	481
	1,339	Average 293	$595,524	$3,410,471	Average $451 07	Average $1 54	Average 21	Average 79	

CANNING, PORK AND BACON FACTORIES.—TABLE NO. 24.

482	91	312	54,168	886,818	595 26	1 91	6	94	482
483	309	250	79,300	556,463	256 63	1 03	14	86	483
484	50	90	3,200	12,000	64 00	0 71	27	73	484
485	74	200	19,422	134,031	260 46	1 31	14	86	485
486	253	184	17,500	135,000	69 17	0 38	13	87	486
487	81	242	34,320	480,000	423 70	1 75	7	93	487
488	102	125	8,937	40,000	87 62	0 71	22	78	488

TABLE SHOWING WAGES AND SALARIES AND SHARE OF PRODUCT.—*Continued.*

TABLE No. 24.—*Continued.*

Schedule No	Number of persons employed.	Number of days in operation.	Amount paid in wages and salaries.	Gross value of product.	Employees' average annual earnings.	Employees' daily rate of pay.	Per cent. wages of gross value of product.	Per cent. cost of material, interest, insurance, taxes, etc., and profit.	Schedule No.
			$	$	$ c.	$ c.		%	
490	203	155	25,000	250,000	123 11	0 79	10	90	490
491	88	275	46,793	933,783	531 17	1 93	5	95	491
492	102	300	47,000	785,000	460 78	1 54	6	94	492
493	154	300	15,500	85,000	100 65	0 34	18	82	493
494	123	305	65,745	1,550 000	534 51	1 75	4	96	494
495	163	200	17,700	150,000	108 59	0 54	12	88	495
496	75	310	42,000	1,100,000	560 00	1 81	4	96	496
497	150	305	78,762	1,291,090	525 08	1 72	6	94	497
498	105	200	9,057	100,000	86 26	0 43	9	91	498
499	80	200	5,618	20,000	70 23	0 35	28	72	499
500	175	300	115,000	3,000,000	657 14	2 19	4	96	500
	2,378	Average 236	$685,022	$11,509,185	Average $306 35	Average 1 18	Average 11	Average 89	

DAIRY PRODUCTS AND OTHER FOODS.—TABLE No. 25.

501	4	200	1,200	32,000	300 00	1 50	4	96	501
502	6	313	2,596	28,563	432 67	1 38	9	91	502
503	140	305	61,967	593,350	442 62	1 45	10	90	503
504	7	255	3,250	55,630	464 29	1 82	6	94	504
505	4	200	1,200	12,000	300 00	1 50	10	90	505
506	6	305	1,902	23,813	317 00	1 04	8	92	506
507	202	210	39,899	275,000	197 52	0 94	14	86	507
508	12	305	4,183	13,882	348 58	1 14	30	70	508
509	112	305	55,500	451,500	495 54	1 62	12	88	509
510	5	40	750	3,000	150 00	3 75	25	75	510
511	16	305	11,300	100,000	706 25	2 32	11	89	511
512	11	300	4,500	26,000	409 09	1 36	17	83	512
513	35	300	22,500	150,000	642 86	2 14	15	85	513
514	5	365	2,130	10,000	426 00	1 17	21	79	514
515	30	300	10,700	200,000	356 67	1 19	5	95	515
	595	Average 267	$223,577	$1,974,738	Average $399 27	Average $1 62	Average 13	Average 87	

DISTILLERIES, BREWERIES, AND TOBACCO FACTORIES.—TABLE No. 26.

516	12	312	6,500	56,000	541 67	1 74	12	88	516
517	58	290	11,250	84,000	193 97	0 66	13	87	517
518	299	300	189,450	532,710	633 61	2 11	36	64	518
519	90	365	100,000	900,000	1,111 11	3 04	11	89	519
520	40	310	26,590	173,500	664 75	2 14	15	85	520
521	22	305	16,004	110,000	727 46	2 39	15	85	521
522	199	314	118,016	590,000	593 05	1 89	20	80	522
523	168	300	116,545	562,000	693 72	2 31	21	79	523
524	17	306	13,700	71,000	805 88	2 63	20	80	524
525	5	300	3,500	20,000	700 00	2 33	18	82	525
526	4	300	1,800	4,000	450 00	1 50	45	55	526
527	108	250	97,186	1,047,550	404 94	1 62	9	91	527
528	7	120	870	5,000	124 29	1 04	17	83	528
529	6	300	5,400	20,000	900 00	3 00	27	73	529
530	24	312	16,039	59,795	668 29	2 14	27	73	530

TABLE SHOWING WAGES AND SALARIES AND SHARE OF PRODUCT.—*Continued.*

TABLE No. 26.—*Continued.*

Schedule No.	Number of persons employed.	Number of days in operation.	Amount paid in wages and salaries.	Gross value of product.	Employees' average annual earnings.	Employees' daily rate of pay.	Per cent. wages of gross value of product.	Per cent. cost of material, interest, insurance, taxes, etc., and profit.	Schedule No.
			$	$	$ c.	$ c	%	%	
531	17	305	5,000	15,000	294 12	0 96	33	67	531
532	3	142	800	5,000	266 67	1 17	16	84	532
533	16	314	7,100	56,000	443 75	1 41	13	87	533
534	8	300	6,500	28,000	812 50	2 71	23	77	534
535	104	300	27,800	125,000	267 31	0 89	22	78	535
536	10	305	3,740	28,000	374 00	1 23	13	87	536
537	33	306	12,700	65,000	384 85	1 25	20	80	537
538	142	306	72,239	431,089	508 73	1 66	17	83	538
539	102	300	28,767	100,000	282 03	0 94	29	71	539
540	52	300	26,900	75,000	517 31	1 72	36	64	540
541	1	300	489	10,000	489 00	1 63	5	95	541
542	17	312	8,000	75,000	470 59	1 51	11	89	542
543	6	312	6,000	30,000	1,000 00	3 21	20	80	543
544	17	300	10,354	119,876	609 06	2 03	9	91	544
545	9	305	6,000	115,000	666 67	2 19	5	95	545
		Average			Average	Average	Average	Average	
	1,596	293	$945,239	$5,513,516	$553 31	1 84	19	81	
			CHEMICAL WORKS.—TABLE No. 27.						
546	5	305	3,874	40,000	774 80	2 54	10	90	546
547	2	75	840	1,200	420 00	5 33	70	30	547
548	33	300	10,350	40,000	313 64	1 05	26	74	548
549	28	245	21,694	81,818	774 79	3 16	27	73	549
550	1	250	460	8,000	460 00	1 84	6	94	550
551	20	305	10,943	60,000	547 15	1 79	18	82	551
552	17	306	7,170	45,000	421 77	1 38	16	84	552
553	29	300	12,945	36,000	446 38	1 49	33	67	553
554	15	313	3,628	35,000	241 87	0 78	10	90	554
555	5	313	3,750	20,000	750 00	2 40	19	81	555
556	11	300	5,100	36,000	463 64	1 55	14	86	556
557	13	300	4,768	48,000	366 77	1 22	10	90	557
558	8	305	4,100	39,000	512 50	1 68	11	89	558
559	203	305	97,500	250,000	480 30	1 57	39	61	559
560	145	300	60,316	266,659	415 97	1 39	23	77	560
561	10	90	3,400	12,000	340 00	3 77	28	72	561
562	56	225	25,481	202,359	455 02	2 02	13	87	562
563	47	305	32,000	104,000	680 85	2 23	31	69	563
563a	4	280	2,520	16,224	630 00	2 25	16	84	563a
		Average			Average	Average	Average	Average	
	652	270	$310,839	$1,341,260	$499 76	$2 08	22	78	
			OIL, PAINT AND VARNISH FACTORIES.—TABLE No. 28.						
564	15	305	11,564	92,000	770 93	2 53	13	87	564
565	75	310	30,818	70,000	410 91	1 33	44	56	565
567	6	305	2,000	14,000	333 33	1 09	14	86	567
568	9	300	8,264	45,000	918 22	3 06	18	82	568
569	7	305	3,947	99,557	563 86	1 85	4	96	569
570	33	305	23,149	250,000	701 48	2 30	9	91	570
571	11	300	5,760	40,000	523 65	1 75	14	86	571
572	12	300	8,200	45,000	683 00	2 28	18	82	572
		Average			Average	Average	Average	Average	
	168	304	$93,702	$655,557	$613 17	2 02	17	83	

TABLE SHOWING WAGES AND SALARIES AND SHARE OF PRODUCT.—*Continued.*

GAS AND ELECTRIC LIGHT, HEAT AND POWER WORKS.—TABLE No. 29.

Schedule No.	Number of persons employed.	Number of days in operation.	Amount paid in wages and salaries.	Gross value of product.	Employees' average annual earnings.	Employees' daily rate of pay.	Per cent. wages of gross value of product.	Per cent. cost of material, interest, insurance, taxes, etc., and profit.	Schedule No.
1			$	$	$ c.	$ c.			
573	134	365	63,714	343,345	475 48	1 30	11	89	573
574	121	365	61,384	137,000	507 31	1 39	45	55	574
575	537	365	434,723	1,587,363	809 54	2 22	27	73	575
576	19	365	9,532	48,853	501 68	1 37	20	80	576
577	23	365	15,232	60,000	662 26	1 81	25	75	577
578	2	365	650	4,637	325 00	0 89	14	86	578
579	3	365	1,100	4,572	366 67	1 00	24	76	579
580	4	365	2,361	10,075	590 25	1 62	23	77	580
581	4	365	1,328	6,506	332 00	0 91	20	80	581
582	7	365	4,960	9,205	708 57	1 94	54	46	572
583	4	365	1,425	4,000	356 25	0 97	36	64	573
584	5	365	2,700	13,295	540 00	1 48	20	80	584
586	11	365	3,780	15,000	343 67	0 94	25	75	586
587	10	365	5,044	9,000	504 40	1 38	56	44	587
588	3	365	950	3,300	316 67	0 87	29	71	588
589	8	365	4,540	30,000	567 50	1 55	15	85	589
590	10	365	8,660	24,500	866 00	2 37	35	65	590
591	4	365	2,126	8,780	531 50	1 46	24	76	591
592	4	365	1,800	3,400	450 00	1 23	53	47	592
593	95	365	59,695	86,305	628 27	1 72	69	31	593
595	4	365	2,854	11,809	713 50	1 95	24	76	595
596	4	365	2,300	7,500	560 00	1 53	31	69	596
597	4	365	1,650	5,000	412 50	1 35	33	67	597
598	1	365	600	4,000	600 00	1 64	15	85	598
599	47	365	15,750	49,000	335 11	0 92	32	68	599
	1,058	Average 365	$708,858	$2,486,445	Average $520 16	Average $1 43	Average 30	Average 70	

PRINTING AND ALLIED TRADES.—TABLE No. 30.

600	4	306	900	3,400	225 00	0 73	26	74	600
601	122	306	59,000	183,700	483 61	1 58	32	68	601
602	125	306	97,358	193,020	778 86	2 54	50	50	602
603	6	306	2,600	4,000	433 33	1 42	65	35	603
604	5	303	1,955	3,900	391 00	1 29	50	50	604
605	72	305	56,731	110,238	787 93	2 58	51	49	605
606	53	300	25,500	60,000	481 13	1 60	43	57	606
607	5	305	2,500	4,000	500 00	1 64	62	38	607
608	110	305	33,604	46,353	305 50	1 00	70	30	608
609	6	305	3,100	3,500	516 67	1 69	88	12	609
610	4	305	936	3,073	234 00	0 77	30	70	610
611	45	305	26,864	50,000	596 98	1 96	54	46	611
612	101	305	39,512	153,625	391 21	1 12	26	74	612
613	68	305	38,600	100,000	567 65	1 86	39	61	613
614	8	305	2,530	4,500	416 25	1 36	56	44	614
615	6	305	4,500	15,000	750 00	2 46	30	70	615
616	23	305	16,321	21,943	709 61	2 33	70	30	616
617	5	305	2,772	4,638	554 40	1 82	60	40	617
	768	Average 304	$415,283	$964,890	Average $506 84	Average $1 65	Average 50	Average 50	

TABLE SHOWING WAGES AND SALARIES AND SHARE OF PRODUCT.—*Concluded.*

BRICK, TILE AND PORTLAND CEMENT WORKS.—TABLE. NO 31.

Schedule No	Number of persons employed.	Number of days in operation.	Amount paid in wages and salaries.	Gross value of product.	Employees' average annual earnings.	Employees' daily rate of pay.	Per cent. wages of gross value of product.	Per cent. cost of material, interest, insurance, taxes, etc., and profit.	Schedule No.
			$	$	$ c.	$ c.	%	%	
618	104	181	14,004	18,307	134 65	0 73	76	24	618
619	16	180	6,717	13,000	419 81	2 33	52	48	619
620	18	275	7,500	9,000	472 22	1 72	83	17	620
622	361	131	72,621	264,447	732 54	5 59	27	73	622
623	73	300	38,710	67,113	530 27	1 77	58	42	623
624	5	300	3,000	22,000	600 00	2 00	14	86	624
625	47	115	10,828	24,240	230 38	2 00	45	55	625
626	23	120	4,000	13,000	173 81	1 45	31	69	626
628	35	300	14,626	28,000	417 89	1 39	52	48	628
629	30	300	16,700	114,000	556 67	1 86	15	85	629
630	66	275	36,650	87,466	555 30	2 02	42	58	630
631	16	160	7,561	7,910	472 56	2 95	95	5	631
632	35	200	14,000	106,000	400 00	2 00	13	87	632
633	93	300	53,469	121,359	574 94	1 92	44	56	633
634	74	225	32,800	92,500	443 24	1 97	35	65	634
635	98	170	54,710	243,116	558 27	3 28	23	77	635
636	66	156	25,500	75,000	386 36	2 48	34	66	636
637	13	305	10,060	26,000	773 85	2 54	39	61	637
638	164	200	34,017	96,945	207 42	1 04	35	65	638
639	9	305	4,000	9,000	444 44	1 13	44	56	639
640	35	150	7,469	12,703	213 40	1 42	59	41	640
641	11	280	4,800	13,000	436 36	1 56	37	63	641
642	3	160	630	2,600	210 00	1 31	24	76	642
643	49	195	13,650	231,000	278 57	1 43	6	94	643
644	28	300	12,402	38,413	442 93	1 48	32	68	644
645	18	295	10,886	31,208	604 78	2 05	35	65	645
	1,490	Average 226	$511,310	$1,767,327	Average $433 49	Average $1 98	Average 40	Average 60	

MISCELLANEOUS INDUSTRIES.—TABLE NO. 32.

646	16	300	8,416	15,000	526 00	1 75	56	44	646
647	29	313	21,106	50,800	727 79	2 33	42	58	647
648	54	300	20,000	100,000	370 37	1 23	20	80	648
649	70	360	11,100	120,000	158 57	0 53	9	91	649
650	15	300	4,800	35,000	320 00	1 07	14	86	650
	184	Average 303	$65,422	$320,800	Average $420 55	Average $1 38	Average 28	Average 72	

SUMMARY OF 32 TABLES.

	39,156	Average 283	$16,681,496	$95,479,586	Average $443 99	Average $1 58	Average 28 25	Average 71.75

INCREASE OR DECREASE OF PRODUCT AND OF WAGES.

The following table, with figures tabulated from the preceding tables, shows the average increases or decreases in value of product in each industry, and the number of establishments reporting unspecified increases or decreases or no change from the previous year. Other columns show the average increases or decreases in wages as stated in the schedules, and the number of establishments reporting unspecified increases or decreases or no change. The cessation to the continued improvement heretofore experienced must be attributed to the depression existing in 1908.

INCREASE OR DECREASE OF PRODUCT AND OF WAGES.

No.	Industries.	Production.						Wages.					
		Average increase.	Average decrease.	Increase not specified.	Decrease not specified.	Same amount.	Average increase.	Average decrease.	Increase not specified.	Decrease not specified.	Same rate of wages.	Number benefited.	
		%	%	No.	No.	No.			No.	No.	No.	No.	
1	Lumber, Saw Mills		15.6		3	11		3.9			19		
2	Planing Mills, etc.		11.5	1		2		8.5	1	1	16		
3	Woodenware specialties		2.3	2		5		3.3	3		15		
4	Furniture, etc.		.61		1	5		3.1			17		
5	Carriages, etc.		23.1		1	5			1		17		
6	Agricultural Implements	11.2		2		2	7.0			1	9	101	
7	Pianos, Organs, etc.		14.9					5.0	1		5		
8	Wood, Pulp and Paper		5.0			4	20.0				12		
9	Foundries, Rolling Mills, etc.		15.1			2		2.0		2	9		
10	Stove Factories		12.6	1				5.7			7		
11	Machinery, etc.		7.2	2	3	7	4.4		1		20	572	
12	Metallic Roofing, etc.		4.2	1			1.3		2		8	261	
13	Wire Goods		1.1	1	1	1	7.3		2		4	86	
14	Brass Ware	15.1		3	1	1	5.5		3		6	123	
15	Silver Ware									1	1		
16	Woollens, Cottons, etc.		21.9		2	2	4.0		1	1	10	314	
17	Knitted Goods		.5			2	5.0		1		7	53	
18	Clothing, etc.	13.5		1	1	4	7.2		1		7	612	
19	Boots and Shoes		2.4	1		5	3.2		2		19	323	
20	Furs, Hats and Caps	.64				1	8.3				4	95	
21	Tanneries, Leather Goods		8.2	2		4	8.0		1		13	311	
22	Flour Mills, etc.	7.7		4	2	20	7.4		5		37	167	
23	Bakeries, etc.	5.0		1		1			2		7		
24	Canning, Pork Packing, etc.	5.9			1	3	7.5				17	175	
25	Dairy Products, etc.	5.4			1	3	1.0		1		11	112	
26	Distillers, Brewers, Cigars, etc.		1.4			9	8.1				23	735	
27	Chemical Works, etc.	9.3		1		4	8.8				9	205	
28	Oils, Paints, etc.		4.2			3	7.0				5	124	
29	Gas, Electric Works, etc.	12.3				5	6.3				10	818	
30	Printing, etc.	8.1		4		3	6.4		1		6	407	
31	Bricks, Cement, etc.				2	4		1.1	1		15	461	
32	Miscellaneous		32.0	1					1		4		
	Totals and averages	aver 3.00	aver 5.92	28	19	118	aver 4.18	aver 1.02	31	6	369	6055	

CHANGES OF WAGES AND HOURS.

These notes of changes of wages and hours of labour are not exhaustive, many local alterations not being reported. As they apply to the year 1909, the few cases of decreased wages owing to the previous depression have ceased, and there is a return to the upward trend.

Brewery workers at Berlin obtained an increase of about $2 per week, with a nine-hour day from November to April inclusive.

Brakemen to the number of 200 and conductors to the number of 120 in the employ of the Michigan Central Railway, living at St. Thomas, received an addition to their pay: Brakemen of 24 cents per 100 miles, and conductors of 35 cents per 100 miles.

Bricklayers at Brantford to the number of 70 had their wages increased from 42 to 45 cents, and their hours decreased from 9 to 8.

Bricklayers and masons at Berlin received an increase from 35 to 40 cents per hour in 1909, 43 cents an hour in 1910, and 45 cents an hour in 1911, with an 8-hour day.

Bricklayers and masons at Peterborough to the number of 20 obtained an increase of wages to the union scale.

Builders' labourers to the number of 50 employed by the city of Hamilton had their wages advanced from 5 cents to 10 cents per day, and their hours of labour reduced one hour per day.

Carpenters to the number of 50, employed by the city of Ottawa, had their hours of labour reduced by one hour per day.

Civic employes at St. Thomas received an increase of wages.

Civic employes at Ottawa had their wages increased.

Civic employes at London had their wages and salaries increased.

Corporation labourers at Sault Ste. Marie had their wages advanced from $1.75 to $2 per day.

Firemen at Guelph received an advance, being made a permanent brigade.

Freight handlers at Fort William, after an investigation, were awarded 20½ cents an hour for day work, and 23½ cents an hour for night work, with a discontinuance of the bonus, instead of 17½ cents and 20 cents for day and night work, with one cent an hour bonus if they remained till the end of the season.

Freight handlers on the C.N.R. at Port Arthur received by agreement the same increases as those at Fort William, as mentioned above.

Freight handlers at Windsor on the C.P.R. had their wages raised from 20 to 25 cents per hour.

Glove makers at Acton obtained an increase in piecework prices from January 1, 1910.

Iron workers and foremen, to the number of 24, employed by the city of Ottawa, obtained a reduction of one hour per day.

Lathers at Ottawa received an increase of 25 cents to 50 cents a day.

Library employes at Ottawa received an advance of $50 a year.

Planing mill employes at Berlin had their wages increased 15 cents per day, a voluntary return to former rates.

Printers (job and news) and pressmen at Hamilton received an increase of wages with a four years' agreement.

Printers at Ottawa obtained an increase of wages with a five years' agreement.

Railway operatives of the Kingston and Pembroke Railway obtained an increase of wages of about 10 per cent.

Sheet metal workers to the number of 74 at Ottawa had their wages advanced 25 to 30 cents per hour, and Saturday afternoon off.

Street railway employes at Guelph received an increase of one cent per hour.

Street railway labourers at Hamilton received an advance from 15 to 17 cents per hour.

Teamsters at Ottawa had their pay increased from $3.85 to $4.32 per day.

Teamsters in the employ of the city of Belleville received an advance of 50 cents per day.

Telegraph operators and agents on the Pere Marquette Railway received an advance of $5 per month with extra allowances.

AMERICAN FEDERATION OF LABOUR.

Mr. Frank Morrison, Secretary of the American Federation of Labour, in his twenty-ninth report, presented at the annual convention of that body held in Toronto, 1909, gives the statistics for the year 1908. These figures are of interest to the wage earners of Ontario, as showing the movements, changes of wages, hours of labour, benefits distributed, etc., by the International Trades and Labour Unions of the United States and Canada.

Mr. Morrison says:—

Charters.—Reports from the Secretaries of 98 of our National and International organizations furnish us with the information that 1,476 charters have been issued during the past year and 1,345 surrendered—1,228 of the charters surrendered were locals of the National and International unions and 117 affiliated direct with the American Federation of Labour.

Gain in Membership.—The gain in membership reported by the Secretaries of 34 International organizations over the membership on the first of September last year is 83,601.

Strikes.—Full and complete reports have been received from 98 International organizations and from a number of local unions, which show that there were 693 strikes in which there were 87,031 involved. Of that number 53,971 were benefited and 9,432 not benefited. The total cost of the strikes reported on was $1,862,836.03. Adding to that amount the donations made by local unions to other unions, we have a grand total of $2,068,276.94 expended to sustain members on strike during the past year.

The following tables are from Mr. Morrison's report:—

CHARTERS, MEMBERSHIP, STRIKES, ETC

Organizations.	Charters issued	Charters surrendered.	Gain in membership.	Number of strikes.	Strikes won.	Strikes compromised.	Strikes pending.	Strikes lost.	Reduction in hours per day.	Gain in wages.	Number involved.	Number benefited.	Not benefited.	Cost of strikes.	Donations to other unions.
A. F. of L. locals	129	117	.....	9	5	2	....	2	.....	.....	120	93	27	$838 00	$3,038 00
Actors	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Asbestos Workers	.....	3	.....	2	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....
Bakers	27	12	1,310	11	6	.....	.....	.....	.....	.....	20	120	.....	.....	.....
Barbers	20	16	264	4	4	.....	.....	.....	.....	.....	1,077	.....	.....	21,000 00	11,000 00
Bill Posters	2	1	20	1	.....	1	.....	.....	.....	$1 p. wk	960	.....	.....	.....	.....
Blacksmiths	21	13	.....	4	1	1	.....	.....	.....	.....	100	100	.....	.....	.....
Boilermakers	36	51	.....	51	12	3	.....	34	.....	.....	550	550	.....	15,000 00	.....
Bookbinders	5	15	834	.....	.....	.....	.....	.....	.....	.....	1,092	351	741	27,221 24	.....
Boot and Shoe Workers	19	8	13	7	6	.....	1	.....	.....	.....	15,000[b]	.....	.....	70,023 75	190 80
Brewery Workmen	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,082	1,037[c]	.....	4,916 35	25,000 00
Brick, Tile and Terra Cotta Wkrs.	11	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Bridge and Structural Iron Wkrs.	5	3	.....	.....	.....	.....	.....	.....	.....	.....	56	.....	.....	.....	60 00
Broommakers	4	4	.....	3	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Brushmakers	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	40	40	.....	600 00	200 00
Carpenters, Brotherhood	126	191	4,086	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	30 00
Carpenters, Amalgamated	15	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	33,266 00	.....
Carriage and Wagon Workers	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3,762 50	3,307 00
Carvers, Wood	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Car Workers	.....	1	200	1	.....	.....	.....	1	.....	.....	7	.....	.....	378 00	.....
Cement Workers	18	19	.....	2	.....	.....	.....	2	.....	.....	200	.....	200	1,250 00	800 00
Chainmakers	13	21	.....	4[d]	1	.....	3	.....	.....	25c*	400	.....	.....	.....	.....
Cigarmakers	1	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	25 00
Clerks	12	6	.....	74	15[e]	1	.....	4	.....	10%	2,505	7,980	326	25,000 00	.....
Cloth Hat and Cap Makers	62	71	.....	1	.....	.....	.....	.....	.....	.....	200	600	.....	.....	.....
Commercial Telegraphers	5	5	204	28	13	11	.....	4	.....	.....	462	338	124	4,440	.....
Compressed Air Workers	.....	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	60 00
Coopers	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Curtain Operatives, Lace	6	8	.....	26	13	3	4	7	1%	1c*	613	100	513	3,475 50	.....
Cutting Die and Cutter Makers	.....	1	64	2	.....	.....	.....	1	.....	.....	42	.....	.....	5,183 36	98 40
Electrical Workers	.....	.....	.....	1	1	.....	.....	.....	.....	25c*	12	12	.....	300 00	50 00
Elevator Constructors	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Engineers, Steam	3	3	.....	5	3	.....	2	.....	.....	32c*	405	275	.....	23,488 89	.....
	27	21	.....	13	4	7	1	.....	.....	.....	46	46	.....	2,028 50	.....

Engravers, Watch Case					1			1					14				$1,121 00	$77 00
Firemen, Stationary	16	4			5	3	1		1	1		25c	265	250			3,000 00	7,500 00
Fitters, Steam	22				8				1				1,200	800				
Flour and Cereal Mill Employes	1	2																
Foundry Employes		7																87 00
Freight Handlers	12	12			5				4			20c	1,740	1,000	740		400 00	
Fur Workers	5	8																
Garment Workers	30	16	8,497		7	7				1 hour		17½c	15,000				1,000 00	10,000 00
Garment Workers, Ladies	14	4																
Glass Bottle Blowers	4	3	1,000		4								300					
Glass Workers, Amal	1	6																100 00
Glove Workers	1	3																
Granite Cutters					18	18						g	973	973			8,345 24	
Grinders, Pocket Knife					2								25				1,144 90	36 32
Grinders, Table Knife																		
Hatters																		
Hodcarriers	57	14																
Horseshoers	15	6	500									h						
Hotel and Restaurant Employes	60	83			70	49	10		9				2,140	1,792	92		17,309 52	24,917 87
Iron and Steel Workers	6	13			15			15					5,000				25,822 18	305 00
Jewelry Workers	2	1								1 to 2½ hr								91 35
Lathers	17	25	875		2	1		1					300					310 00
Laundry Workers																		
Leather Workers on Horse Goods	10	6	36		6	4		2					132	112	20		3,190 00	2,345 85
Leather Workers, Amal																		
Lithographers	2	1	442															155 00
Lithographic Press Feeders																		
Longshoremen	14	38			1	1							200	200				600 00
Machine Printers and Color Mixers																		
Machinists					30	23	4	3					4,000	10,000			223,802 00	72,383 00
Maintenance of Way Employes	25	20	1,000									10 to 25c						500 00
Marble Workers	4		350		3	1		2					400	40			500 00	
Meat Cutters and Butcher W'kmen	26	14	800		2	2							198	198			612 00	846 00
Metal Polishers	36	20			20	9	7		4				500	300			15,826 05	4,000 00
Metal Workers, Sheet					12	8		4					800	600			14,000 00	500 00
Mine Workers, United	163	167	51,654		40	28	1		11								472,189 09	10,204 39
Molders, Iron					20	4		14	2				620	40	8		125,136 07	
Musicians			2,500															3,000 00
Painters																		
Papermakers	3	24			8	3	2		3	5			5,600	300	5,300		50,000 00	
Patternmakers	2	5			5	3											4,161 86	450 00
Pavers and Rammermen																		
Paving Cutters	4	1	350		5	5							181	181			401 00	400 00
Photo-Engravers	4				3	1							82				4,410 50	
Piano and Organ Workers																		

CHARTERS, MEMBERSHIP, STRIKES, ETC.—Continued.

Organizations.	Charters issued.	Charters surrendered.	Gain in membership.	Number of strikes.	Strikes won.	Strikes compromised.	Strikes pending.	Strikes lost.	Reduction in hours per day.	Gain in wages.	Number involved.	Number benefited.	Not benefited.	Cost of strikes.	Donations to other unions.
Plate Printers			26	1	1					25c.	25	60		$400 00	$800 00
Plasterers	18	10		32	17	2	12	1		40c.	1,302	1,302			
Plumbers	38	42		29										29,422 00	
Post Office Clerks	11	1	314												49 20
Potters, Operative		1		1	1						48	48		655 00	736 15
Powder & High Explosive Workers		1		1	1						30	25	5		100 00
Print Cutters									½ hr.	10					412 50
Printing Pressmen	30	17		13	9	1				40c.	450	18,000		275,000 00	2,500 00
Pulp, Sulphite & Paper Mill W'k'rs	2	1													150 00
Quarry Workers	15	10		10	7					16c.*	800	750		4,805 00	1,000 00
Railroad Telegraphers															
Railway Clerks															
Railway Employees, St. and Elec	20	9	3,000	11	6	1		4		2c.*	4,300	3,775	525	10,437 75	8,226 87
Roofers, Composition	8	3	122	3	1	1		1			68	16	52		321 00
Sawsmiths	1														
Seamen	1										11,000			127,000 00	
Shingle Weavers															
Shipwrights															
Slate and Tile Roofers	2	3													
Slate Workers		2	1,800												600 00
Spinners		3													50 00
Stage Employes, Theatrical	20		1,000	10	10					25	600	600		3,768 78	2,750 00
Steel Plate Transferrers			4												
Stereotypers and Electrotypers	6	1	336												
Stonecutters															
Stove Mounters	2			1							4			2,154 05	
Switchmen	8														
Tailors	6	14		18	11	4		3			500	420	80	12,960 50	957 70
Teamsters	83	75		12	10			2	1 hr.	16c.	821	165	656	17,655 00	1,800 00
Textile Workers	23	18													
Tile Layers	2	2	60	2	2					25%	160	160			
Tin Plate Workers			400	1			1				2,000				
Tip Printers															

Tobacco Workers	1	2														$2,000 00
Travelers' Goods and Leather Novelty Workers	1		15	1		1					150	150		$2,400 00		65 00
Typographical Union	46	12	1,181	16	6	7	3				114	63	23	161,544 45		
Upholsterers																
Weavers, Goring																50 00
Weavers, Wire			344													201 33
Woodsmen and Saw Mill Workers	6	4														
Wood Workers																
Totals	1,476	1,345	83,601	693	341	57	64	104			87,031	53,971	9,432	$1,862,836 03		$205,440 91

a About $58,000 for sick and death benefits; *c* union and non-union, continuation of strike for eight hour workday, began October 1, 1907; *c* balance still out; *d* lockouts; *e* complete reports not in regarding other strikes; *f* number in reported results from incomplete returns on others, estimated 2,000 benefited; *g* 500 gained 2½ cents per hour, 300 1½ cents per hour, 2,500 ½ cent per hour, *h* 25 cents per day for 2,000, *i* withdrew demands; *j* four strikes declared off, in one other members went to work elsewhere; one strike not reported on; *k* four hours for 3,200 men.

* Per day. † An hour.

BENEFITS PAID TO MEMBERS BY INTERNATIONAL ORGANIZATIONS DURING THE PAST YEAR.

Organizations.	Death benefits.	Death benefits members' wives.	Sick benefits.	Traveling benefits.	Tool insurance.	Unemployed benefits.
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Actors						
Bakers	850 00	300 00	5,109 52			
Barbers	[a]					
Boilermakers	2,506 50					
Bookbinders	2,900 00					
Boot and Shoe Workers	14,250 00		66,629 57			
Brick, Tile & Terra Cotta Workers	850 00					
Bridge and Structural Iron Workers	12,900 00					
Brushmakers			39 00			
Carpenters, Brotherhood	221,742 56	32,575 00	29,225 00			
Carpenters, Amalgamated	1,292 00			25 52	3,126 36	48,293 17
Carvers	2,900 00				81 09	
Car Workers	525 00		1,000 00			
Cigarmakers	233,000 00	5,600 00	195,000 00	50,000 00		90,000 00
Clerks	24,735 00[c]					
Coopers	450 00					
Curtain Operatives, Lace	1,725 00	100 00				
Cutting Die & Cuttermkrs	300 00					35 00
Engravers, Watch Case			74 50	34 50		
Foundry Employes	350 00		185 00			
Freight Handlers	6,040 00				60 00	
Fur Workers	150 00					
Glass Bottle Blowers	56,677 92					300,000 00[d]
Glass Workers Amalg'm'd	577 00					
Glove Workers	200 00					
Granite Cutters	19,407 05					
Hodcarriers	3,000 00					
Hotel and Restaurant Emp	43,239 44		70,928 08			
Iron and Steel Workers	2,400 00	550 00	6,920 00			
Jewelry Workers	50 00		137 00			
Lathers	3,648 50					
Leather Wks. on Horse Gds.	3,175 00		7,935 00			
Lithographers	6,000 00					
Machinists	44,263 00		145,455 60			
Maintenance of Way Emp.	5,000 00					
Meat Cut. & Butch. Wkmn.	2,250 00					
Metal Polishers	3,000 00					
Metal Workers, Sheet	9,800 00					
Moulders, Iron	53,632 66		122,472 35			17,441 32
Painters	75,788 50	9,875 00				
Patternmakers	2,050 00		6,352 24		1,795 57	20,000 00
Paving Cutters	700 00					
Photo-Engravers	1,275 00					
Plasterers	5,850 00					
Plumbers	8,600 00		27,920 00			
Print Cutters	450 00					
Printing Pressmen	13,600 00					
Quarry Workers	1,500 00					
Railroad Telegraphers	114,100 00					
Railway Empl's, St. & Elc.	18,000 00		14,960 79			
Sawsmiths	300 00					
Slate and Tile Roofers	1,163 75					
Slate Workers	1,500 00					
Spinners	700 00	200 00				8,000 00
Stereotypers & Electrot'ps	1,680 00					
Stove Mounters	1,000 00					

BENEFITS PAID TO MEMBERS BY INTERNATIONAL ORGANIZATIONS DURING THE PAST YEAR.—*Concluded.*

Organizations.—*Concluded*	Death benefits.	Death benefits members' wives.	Sick benefits.	Traveling benefits.	Total insurance.	Unemployed benefits.
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Switchmen	103,651 00	.....	.....	1,907 85	.....	.....
Tailors	11,373 63	.....	22,885 00	.....	.....	.....
Tobacco Workers	1,300 00	.....	7,893 00	.....	.....	.....
Typographical Union	38,175 00	.....	.....	.....	.....	.....
Weavers, Elastic Goring	.....	.....	.....	.....	.....	256 00
Weavers, Wire	500 00	.....	833 50	.....	.....	.....
Total	1,187,043 51	49,200 00	731,955 15	51,967 87	5,063 02	484,028 49

c Death and sick benefits. *d* Voluntary on the part of the association.

AVERAGE PAID UP MEMBERSHIP.

Year.	No.
1897	264,825
1898	278,016
1899	349,422
1900	548,321
1901	787,537
1902	1,024,399
1903	1,465,800
1904	1,676,200
1905	1,494,300
1906	1,454,200
1907	1,538,970
1908	1,586,885
1909	1,524,700

THE LAWS RELATING TO LABOUR CHRONOLOGY OF ONTARIO LABOUR LAWS.

Apprentices' and Minors' Act. Passed, 1871. Amended, 1874. Cap. 161, R.S.O. 1897.

Mechanics' and Wage-earners' Liens. Passed, 1873. Amended, 1874, 1878, 1882, 1884, 1887, 1890, 1896, 1897. Cap. 153, R.S.O., 1897, 1901, 1902, 1904.

Master and Servant Act. Passed, 1873. Amended, 1886. Cap. 157, R.S.O., 1897, 1901, 1904, 1908. Cap. 33.

Immigration Aid Societies Act. Passed, 1873. Cap. 212, R.S.O., 1897, 1904, repealed 1905.

Act to Facilitate the Adjustment of Disputes between Masters and Workmen. Passed, 1873. Cap. 159, R.S.O., 1897.

Act Respecting Innkeepers. Passed, 1874. Amended, 1882. Cap. 187, R.S.O., 1897, 1904, 1907.

Act Respecting Public Meetings, Cap. 230, R.S.O. 1897.

Act Respecting Threshing Machines. Passed, 1874. Cap. 265, R.S.O., 1897.

Act Respecting Co-operative Associations. Passed, 1880. Amended, 1884. Cap. 202, R.S.O., 1897, 1904, 1905, repealed 1907 (see Companies' Act).

Act Respecting Safety of Railway Employees. Passed, 1881. Cap. 207, R.S.O., 1897.

Act Respecting Accidents to Employees on Railways. Passed, 1881. Cap. 266, R.S.O., 1897.

Bureau of Industries. Established, 1882.

Act Respecting Pawnbrokers. Passed 1884. Cap. 188, R.S.O., 1897, 1907.

Factories Act. Passed, 1884. Amended, 1887, 1889, 1895. Cap. 246, R.S.O., 1897. Further amended, 1901, 1902, 1903, 1904, 1905, 1908.

Act Respecting Wages. Passed, 1888. Cap. 156, R.S.O., 1897, 1899.

Workmen's Compensation for Injuries Act. Passed, 1886. Amended, 1887, 1893, 1896, 1899. Cap. 160, R.S.O., 1897.

Lord's Day Observance Act. Passed, 1885. Cap. 246, R.S.O., 1897, 1903, 1904.

Shops Regulation Act. Passed, 1888. Amended, 1889-1897. Cap. 257, R.S.O., 1897. Further amended, 1900, 1901, 1903, 1904, 1908

Egress from Public Buildings Act. Passed, 1888. Cap. 263, R.S.O., 1897.

Trades Disputes Act. Passed, 1890. Amended, 1894, 1897. Cap. 158, R.S.O., 1897. Further amended, 1902.

Woodmen's Lien Act. Passed, 1891. Amended, 1894, 1896, 1897, 1899. Cap. 154, R.S.O., 1897, 1903.

Act Respecting Stationary Engineers. Passed, 1891. Cap. 185, R.S.O., 1897. 1906, 1907, 1908, 1909.

Mines' Act. Passed, 1892. Cap. 36, R.S.O., 1897, 1905, repealed 1906.

Matters under Municipal Act. 1892, 1893, 1894, 1895, 1898. Cap. 223, R.S.O., 1897, 1904, 1905, 1906.

Insurance by Trade Unions. Passed, 1892. Amended, 1897. Cap. 203, R.S.O., 1897.

Act Respecting School for Artisans. Passed, 1892. Amended, 1895. Cap. 223, R.S.O., 1897.

Act Respecting Truancy and Compulsory School Attendance. R.S.O., Cap. 196, 1897. Amended, 1904. New revised Act repealing this, 1909.

Act Respecting Lien for Wages on Street Railways. Passed, 1895. Cap. 208, R.S.O., 1897, 1906. (See Railway Act.)

Labour on Public Works. Passed, 1896. Amended, 1897. Cap. 155, R.S.O., 1897, 1900.

Act Respecting Liability of Directors' Companies for Wages. Passed, 1896. Sec. 85, Cap. 191, R.S.O., 1897. Repealed, 1907. (See Companies' Act.)

Act Respecting Liability of Mining Companies for Wages. Passed, 1896. Cap. 197, R.S.O., 1897, 1906. (See Mines Act.)

Act Respecting Technical Schools. Passed, 1897.

Act Respecting Immigration of Children. Passed, 1897. Cap. 262, R.S.O., 1897.

Resolution Respecting Fair Wages on Public Works. Passed, 1900.

Act Creating Bureau of Labour. Passed, 1900.

Act Respecting Mines. Passed, 1906, 1908, 1909.

Act Respecting Steam, Electric and Street Railways. Passed, 1906.

Act for Appointment of Railway and Municipal Board. (Trade Disputes provisions.) Passed, 1906. Amended, 1907.

Act Respecting Joint Stock and Other Companies. Passed, 1907.

Act Respecting the Manufacture and Sale of Bread. Passed, 1908.

An Act Respecting the Bureau of Labour.

S.O. 1900, Cap. 14. *Assented to 30th April,* 1900.

Her Majesty by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:

1. There shall be attached to the Department of the Commissioner of Public Works a bureau, to be styled "The Bureau of Labour."

2. The Lieutenant-Governor may appoint a Secretary of the said Bureau and may also appoint such other officers as may be necessary for the proper conduct of the Bureau.

3. It shall be the object of the Bureau to collect, assort and systematize and publish information and statistics relating to employment, wages and hours of labour throughout the Province—co-operation, strikes, or other labour difficulties, trades unions, labour organizations, the relations between capital and labour, and other subjects of interest to working men, with such information relating to the commercial, industrial and sanitary condition of working men, and the permanent prosperity of the industries of the Province, as the Bureau may be able to gather.

LABOUR LEGISLATION.

ONTARIO.

Mine Accidents.

An Act to amend and improve the law respecting mine accidents and operation of mines was passed.

Stationary Engineers.

The Act respecting stationary engineers was amended by adding the words "provided that no person shall be eligible for such examinations unless he is a British subject or has resided in Canada for at least three years.

Child Employment.

An Act respecting Truancy and Compulsory School Attendance was passed consolidating and revising the law and repealing Chap. 296, R.S.O. It restricts the employment of children.

ALBERTA.

Mechanics' Lien Act.

The Mechanics' Lien Act was amended in various particulars, so as to facilitate proceedings.

Bartenders' License.

An amendment to the Liquor License Ordinance provided for the compulsory licensing of bartenders not to be females or under 21 years. The bartenders were made responsible, under a penalty of $50 for violation of the liquor law.

Master and Servants' Act.

The ordinance respecting Masters and Servants was amended by allowing counter claims by employers to be submitted to the District Court, instead of to the Supreme Court as previously.

MANITOBA.

Assignment of Wages.

A special Act was passed "respecting assignments of wages and salaries to be earned in the future." No assignment of future wages given in consideration of a loan less than $200 is to be valid unless it is accepted in writing by the employer and afterwards registered except where the wages are assigned to secure a past indebtedness for necessaries or to secure an account for necessaries to be supplied thereafter. No assignment of future wages made by a married man who is living with his wife is to be valid, unless the written consent of the wife is attached to the assignment or endorsed thereon.

Inspection of Steam Boilers.

The Steam Boilers Inspection Act was rendered more stringent in several particulars, and penalties were increased.

Children's Protection.

By an amendment to the Children's Protection Act, children who habitually hawk or sell articles in a street or public place during school hours may be apprehended without warrant as neglected.

Workmen's Compensation.

A comprehensive Workmen's Compensation Bill was introduced but subsequently withdrawn to be referred to a commission to investigate and report.

NOVA SCOTIA.

The Eight-Hour Day.

On April 16, 1908, an Act was passed entitled "An Act to provide for the appointment of a Commission on the Hours of Labour." The duty of the three Commissioners was defined as to enquire into and report upon the economic effect of a limit to a working day for the workmen employed in the various industries in Nova Scotia, with especial reference to the effect of such limitation upon the

following matters: (*a*) Production; (*b*) Wages; (*c*) Employment; (*d*) Export Trade; (*e*) Canadian Industries. An interim report has been presented by the Commission. Courts of enquiry have been held in fourteen cities and towns, 200 witnesses having been heard, including owners and managers of important industrial establishments and representatives of labour organizations. The investigation is being continued and the Commission hopes to report before the session of 1910.

QUEBEC.

Workmen's Compensation.

After a long investigation by a Royal Commission a Workmen's Compensation Act was passed in March, 1909, divided into four sections, referring respectively to compensation, liability for accidents, security and procedure.

Compensation.—The Act declares that accidents to a workman in the course of his employment entitles the person injured or his representatives to compensation. The class of employment to which this provision applies is defined, agricultural industries and navigation by means of sailing being excepted. For absolute and permanent incapacity the person injured is entitled to an allowance equalling fifty per cent. of his yearly wages. In case of permanent and partial incapacity the allowance is to be half the sum by which his wages have been reduced. For temporary incapacity the compensation is to be one-half the daily wages received at the time of the accident, beginning on the eighth day. When the accident causes death the compensation shall amount to four times the average yearly wages of the deceased and shall in no case be less than $1,000 nor more than $2,000. Allowance is also to be made for medical and funeral expenses. No compensation is to be granted if the accident was brought about intentionally by the person injured. The Courts may reduce the amount of compensation if the accident was due to the inexcusable fault of the workman, or increase it if due to the inexcusable fault of the employer. Where the yearly wages of the workman exceed $600, no more than this sum shall be taken into account: the surplus up to $1,000 confers the right to only one-fourth of the compensation in question. The Act does not apply at all where the yearly wages exceed $1,000.

Liability.—In addition to the recourse given by this Act the person injured or his representatives retain the right to obtain compensation under the common law from any person responsible for the accident other than the employer or his agent. The compensation so awarded discharges to the extent thereof the employer of his liability. An action against a third person so responsible to be taken by the employer at his own risk. In the case of fatal accidents the employer is only liable for the compensation prescribed by the Act. Where an employer has assumed the assessments on premiums of an insurance company or mutual benefit society, the money obtained therefrom must be applied on account of the compensation allowed by the Act. If, however, the company or society neglects or refuses to pay the employer's liability continues. The injured person is required to submit to a medical examination if the employer so desires, the right to compensation being suspended until such examination takes place. The injured person, however, may demand that the examination take place in the presence of a physician chosen by himself.

Security.—The compensation for temporary incapacity and for medical and funeral expenses is to be secured by privilege on the movable and immoveable property of the employer. Compensation for permanent incapacity or death is to be secured by privilege on movable property of the same nature and rank, and by

a privilege on immoveable property ranking after other privileges and after hypothics.

Procedure.—The Superior Court and the Circuit Court have jurisdiction in actions under the Act. Appeals must be taken within 15 days from the rendering of judgments. No trial by jury is allowed in any action taken under the Act. All proceedings are to be summary and subject to the provisions of the Code of Civil Procedure. Actions to recover compensation are subject to a prescription of one year.

Arbitration in Trade Disputes.

The Trade Disputes Act of 1901 was amended so as to do away with the standing arbitration council and provide for the establishment of special expert committees to deal with the several disputes. The division in the matter of jurisdiction between the two Councils of Arbitration, one for the settlements of railway labour disputes and the second for other disputes is done away with, and the members are to be appointed by the Minister of Public Works and Labour, instead of the Lieutenant-Governor in Council. There are various other less important amendments.

The Mining Law.

The Mining Law as consolidated in 1892 was amended by the substitution of a system of miners' certificates in place of the prospecting licenses. The holder of a miners' certificate is entitled to prospect on all land, public or private, subdivided or not subdivided, in which the mining rights are vested in the Crown. In the case of a discovery he is entitled to mark it out by erecting a stake on the chief point, and four other stakes at each corner of a right-angled strip of land not exceeding in size 200 acres and not less than 40 acres. After this the Department is to be notified at once of the staking, and within four months of the date inscribed on the stakes, application must be filed for a mining license. This application must be accompanied by a fee of $10, and in addition by a sum equal to $1 per acre per year. Thus there will be an acreage tax instead of the obligation of performing a certain amount of work on the claim.

Sunday Observance.

The Sunday Observance Act of 1907 was amended by increasing the severity of the punishment for offences. For first convictions the penalty remains the same, a fine from $1 to $40 and costs or in default 30 days, but for subsequent convictions the maximum fine is raised to $100 or in default 60 days.

SASKATCHEWAN.

Recovery of Wages.

A special Act was passed for the protection of the wages of threshing machine employees, whereby any employee who works for wages on or about a threshing machine is given a claim to the extent of his wages against the earnings of the machine.

Master and Servants' Act.

Under the Master and Servants' Ordinance of 1904 an employer might be proceeded against before a Justice under certain conditions for non-payment of wages to the maximum extent of two months' wages. This provision is now amended by making the maximum amount the sum of $100 exclusive of costs.

Protection of Children.

The Children's Protection Act of 1908 contained no specific definition of the term "child." A section is now added defining the term as meaning a boy or girl apparently or actually under the age of 16 years.

NEW SOUTH WALES.

Minimum Wage Rate.

A law has been passed in New South Wales defining the minimum wages to be paid to employees in various industries and the amount to be paid for overtime. A workman is declared to work overtime when he is employed for more than 48 hours in any week, or after 6 o'clock in the evening on any working day. The minimum weekly wage for workmen or shop assistant is fixed at 4 shillings, irrespective of any amount earned as overtime. In the case of a male under 16 years of age or a female any overtime is to be paid for at the rate of not less than 3 pence for every hour or portion of an hour, payment to be made at intervals of not more than one month, and if such an employee is required to work overtime on any single day, he is to receive not less than 6 pence as tea-money.

LIST OF LABOUR BUREAUS AND WHEN ORGANIZED.

During the past forty years labour's interests have become so important a factor with representative Governments throughout the world that they deemed it necessary to create Labour Bureaus for the purpose of collecting accurate statistics of the progress of a nation's prosperity arising from commercial, mechanical and agricultural pursuits. The success of these undertakings has proved most satisfactory, as is shown by the following list of Labour Bureaus compiled from official records:—

Ontario.—The Bureau of Labour was created by an Act passed by the Ontario Legislature, April 25th, 1900. The Department is under the direction of Hon. J. O. Reaume, Minister of Public Works. John Armstrong, Secretary of the Labour Bureau.

Canada.—The Department of Labour was established in July, 1900, and practically supersedes the Bureau of Labour of the Department of Agriculture, established in 1890, with Mr. George Johnson as chief clerk. The Department is now a separate portfolio, with Hon. Wm. Lyon Mackenzie King, as Minister. The Act establishing the Department provides for the monthly issuing of a Labour Gazette, the editor of which is F. A. Acland, Deputy Minister of Labour. The first number of the Gazette was issued in September, 1900.

Great Britain.—The Labour Bureau of the Board of Trade was established March 2nd, 1886. In 1893 the service was greatly enlarged, and given its present name, "Board of Trade Labour Department." A. Wilson Fox, Chief Secretary. It publishes monthly The Labour Gazette; also annual reports.

New Zealand Department of Labour.—The Right Hon. J. A. Millar, Minister of Labour. E. Tregear, Secretary, Wellington, N.Z.

New South Wales.—Department of Labour and Industry. T. B. Clegg, Chief Clerk, Sydney, N.S.W.

Queensland.—Department of Immigration.—Government Labour Bureau and Relief. Chief Clerk, Brisbane, Queensland.

South Australia Labour Bureau.—Chief Clerk, A. C. H. Richardson, Adelaide, South Australia.

West Australia.—Government Statistician, Malcolm A. C. Fraser, Perth, West Australia.

United States Department of Labour.—Established as a Bureau of Labour, January 31st, 1885; made a Department of Labour, June 13th, 1888. Bi-monthly bulletins. Annual reports. Commissioner of Labour, Chas. P. Neill, Washington, D.C.

United States Census Office.—E. Dana Durand, Director of Census, Washington, D.C.

Massachusetts Bureau of Statistics of Labour.—Established June 23rd, 1869. Quarterly bulletins. Annual reports. Chief of the Bureau of Statistics of Labour, Ch. F. Gettemy, Boston, Mass.

Pennsylvania Bureau of Industrial Statistics.—Established April 12th, 1872. Annual reports. Chief of Bureau of Industrial Statistics, John L. Rockey, Harrisburg, Pa.

Connecticut Bureau of Labour Statistics.—Established July 12th, 1873. Abolished July 23rd, 1875. Re-established April 23rd, 1885. Annual reports. Commissioner of Labour, Wm. H. Scoville, Hartford, Conn.

Kentucky Bureau of Agriculture, Labour and Statistics.—First established March 20th, 1876, as a Bureau of Agriculture, Horticulture, and Statistics; the duties of the Bureau were enlarged and the present name adopted April 2nd, 1892. Biennial reports. Commissioner of Agriculture, Labour and Statistics, M. C. Rankin, Frankfort, Ky.

Missouri Bureau of Labour, Statistics and Inspection.—Established March 19th, 1879; enlarged March 23rd, 1883. Annual report. Commissioner of Labour, J. C. A. Hiller, Jefferson City, Mo.

Ohio Bureau of Labour Statistics.—Established May, 1887. Annual reports. Commissioner of Labour, W. T. Lewis, Columbus, Ohio.

New Jersey Bureau of Statistics of Labour and Industries.—Established March 27th, 1878. Annual reports. Chief of the Bureau of Statistics of Labour and Industries, W. C. Garrison, Trenton, N.J.

Illinois Bureau of Labour Statistics.—Established May 29th, 1879. Biennial reports. Secretary of the Bureau of Labour Statistics, David Ross, Springfield, Illinois.

Indiana Bureau of Statistics.—Established March 29th, 1879. Biennial reports. Chief of the Bureau of Statistics, J. L. Peetz, Indianapolis, Ind.

New York Bureau of Labour Statistics.—Established May 4th, 1883; created a Department of Labour, 1902. Commissioner of Labour, John Williams, Albany, N.Y. Quarterly bulletins. Annual reports.

California Bureau of Labour Statistics.—Established March 3rd, 1883. Biennial reports. Commissioner of Labour, J. D. McKenzie, San Francisco, Cal.

Michigan Bureau of Labour and Industrial Statistics.—Established June 6th, 1883. Annual reports. Commissioner of Labour, R. H. Fletcher, Lansing, Mich.

Wisconsin Bureau of Labour Statistics.— Established April 3rd, 1883. Biennial reports. Commissioner of Labour, J. D. Beck, Madison, Wis.

Iowa Bureau of Labour Statistics.—Established April 3rd, 1884. Biennial reports. Commissioner of Labour, E. W. VanDuyn, Des Moines, Iowa.

Maryland Bureau of Industries Statistics.—Established March 27th, 1884. Annual reports. Chief of the Bureau of Industries Statistics, Chas. J. Fox, Baltimore, Md.

Kansas Bureau of Labour Statistics.—Established March 5th, 1885. Annual reports. Commissioner of Labour, W. L. A. Johnson, Topeka, Kan.

Rhode Island Bureau of Labour Statistics.—Established March 29th, 1887. Annual reports. Commissioner of Labour, Geo. H. Webb, Providence, R.I.

Nebraska Bureau of Labour and Industrial Statistics.—Established March 31st, 1887. Biennial reports. The Governor, *ex officio* Commissioner. Deputy Commissioner of Labour and Industrial Statistics, Will M. Maupin, Lincoln, Neb.

North Carolina Bureau of Labour Statistics.—Established February 28th, 1887. Annual reports. Commissioner of Labour, M. L. Shipman, Raleigh, N.C.

Maine Bureau of Labour Statistics.—Established March 7th, 1887. Annual reports. Commissioner of Labour, Thos. J. Lyons, Augusta, Me.

Minnesota Bureau of Labour.—Established as a Bureau of Labour Statistics, March 8th, 1887; enlarged and changed to the Bureau of Labour, April, 1893. Biennial reports. Commissioner of Labour, W. E. McEwen, St. Paul, Minn.

Oklahoma Department of Labour.—Established September, 1907. Commissioner of Labour, Charles L. Daugherty, Guthrie, Okla.

Colorado Bureau of Labour Statistics.—Established March 24th, 1887. Biennial reports. Commissioner of Labour, E. V. Brake, Denver, Col.

West Virginia Bureau of Labour.—Established February 22nd, 1889. Annual reports. Commissioner of Labour, I. V. Barton, Wheeling, W.Va.

North Dakota Department of Agriculture and Labour.—Established October 1st, 1890. Biennial reports. Commissioner of Labour, W. C. Gilbreath, Bismark, N.D.

Montana Bureau of Agriculture, Labour and Industry.—Established February 17th, 1893. Annual reports. Commissioner of Labour, J. A. Ferguson, Helena, Mont.

New Hampshire Bureau of Labour.—Established March 30th, 1893. Biennial report. Commissioner of Labour, Lysander H. Carroll, Concord, N.H.

Washington Bureau of Labour.—Established June 11th, 1897. Annual reports. Commissioner of Labour, C. F. Hubbard, Olympia, Wash.

Idaho Bureau of Labour and Mining Statistics.—Established March 11th, 1895. Annual reports. Commissioner of Labour, Jas. P. Fallon, Boise City, Idaho.

Virginia Bureau of Labour and Industrial Statistics.—Established March 3rd, 1898. Annual report. Commissioner of Labour, James B. Doherty, Richmond Va.

Louisiana Bureau of Statistics of Labour.—Established July 9th, 1900. Biennial reports. Commissioner of Labour, Robt. E. Lee, New Orleans, La.

Oregon Bureau of Labour Statistics and Inspection of Factories and Workshops.—Established June 3rd, 1903. Biennial reports. Commissioner of Labour and Inspector of Factories and Workshops, O. P. Hoff, Salem, Ore.

Tennessee Bureau of Labour, Mines and Mineral Department.—Established 1891. Commissioner of Labour, R. A. Shiflett, Nashville, Tenn.

South Carolina Department of Agriculture, Commerce, and Industry.—Re-organized 1909. Commissioner, E. J. Watson, Columbia, S. C.

Argentine Republic.—Francoise Latzina, Directeur General de la Statisque de la Republique Argentina (Minister de l'Interieur), Buenos Ayres.

Austria-Hungary.—Commission Central of Statistics (Minister of Public Instruction). Dr. Karl Theodor von Inama Sternegg, President, Vienna. Department of Municipal Statistics, Dr. Sedlatzek, Chief, Vienna.

Bavaria.—Royal Bureau of Statistics (Department of Interior). Karl Rasp, Director, Munich.

Belgium.—Royal Bureau of General Statistics (Minister of the Department of the Interior and Public Instruction). Edmund Nicoali, Chief, Brussels.

Brazil.—Dr. R. Pompeia, Directeur de Bureau de Statistique des Estats Unis du Bresil (Ministere de l'Interieur), Rio Janeiro.

Bulgaria.—Bureau of Statistics of Bulgaria (Minister of Public Instruction) F. Ivanchoff, Director, Sophia.

Chili.—Don Francisco S. Asta Burnaga, Chef du Bureau Central de Statistique de Chili, Santiago.

Denmark.—Royal Bureau of Statistics (Minister of Finance). Marius de Gad, Director, Copenhagen.

France.—Office du Travail (Ministere du Commerce et de l'Industrie). C. Moron, Directeur, Paris.

Victor Furquan, Chef du Bureau de la Statistique General de France (Ministere du Commerce et de l'Industrie).—Office du Travail, Paris.

Germany.—Imperial Office of Statistics (Department of Interior). Dr. F. W. Hans Von Schell, Director, Berlin.

Herzegovina.—Bureau of Statistics of Bosnia and Herzegovina. Dr. Ferdinald Schmidt, Director, Sarajevo.

Holland.—Herr Methour, Director of Netherlands Statistical Central Office La Haye, Netherlands.

Italy.—Directeur General de la Statistique du Royaume, G. Montemartini Director dell' Offices del Lavoro (Ministere de l'Agriculture, de l'Industrie, et du Commerce), Rome.

Japan.—S. Ishibashi, Chef du Bureau General de la Statistique (Cabinet Imperial), Tokio.

Mexico.—Antonio Penafiel, Directeur General de la Statistique de la Republique (Mexicaine du Fomento), Mexico.

Paraguay.—I. Jasquet, Director General de la Statistique du Paraguay Assumption.

Portugal.—Ernesto Madeira Pinto, Director General of Statistics of Commerce (Minister of Public Works, Commerce and Industries), Lisbon.

Prussia.—Royal Bureau of Statistics (Minister of the Department of the Interior). Karl Julius Emil Blenck, Director, Berlin.

Office of the Statistics of the City of Berlin. Dr. Richard Bockh, Director Berlin.

Roumania.—C. E. Cupenski, Directeur de la Statistique General du Royaume (Minister de l'Agriculture, de l'Industrie, du Commerce, et des Domaines) Bucharest.

Russia.—Bureau, Directeur du Comite Central de Statistique (Ministere de l'Interieur), St. Petersburg.

B. Grigoreff, Chef du Bureau de la Statistique Municipale, Moscow.

Saxony.—Bureau of Statistics of the Minister of State. Dr. Victor Bohmert Director, Dresden.

Spain.—Ing. Francisco de Paulo de Arrillaga, Director General of the Geographic Institute and Bureau of Statistics of Spain, Madrid.

Styria.—Bureau of Statistics of Styria. Dr. Ernest Michler, Director, Gratz.

Sweden. Dr. Elis Sidenbaldh, Directeur en Chef du Bureau Central de Statistique de Royaume (Ministere de l'Interieur), Stockholm.

Norway.—Anders Nicolaikiser, Directeur du Bureau Central de Statistique du Royaume (Ministere de l'Interieur), Christiana.

Switzerland.—Dr Louis Guillaume, Director du Bureau Fédéral de Statistique (Minister de l'Intérieur), Berne.

Stephen Bauer, Office International du Travail, Berne.

Uruguay.—Hector Rosbos, Director del Departamento de Estadística General, Montevideo.

LIST OF NATIONAL AND INTERNATIONAL LABOR ORGANIZATIONS

WITH NAMES AND ADDRESSES OF GENERAL SECRETARIES, DATE OF ORIGINAL ORGANIZATION IN THE PROVINCE OR STATE.

Trades and Labour Congress of Canada, P. M. Draper, Esq., 1915, Ottawa, Ont.

American Federation of Labor, Frank Morrison, 423 G Street, N.W., Washington, D.C.

Actors' National Protective Union, Leo Marion, 8 [illegible] Square, New York, N.Y.

Allied Metal Mechanics' International Association, John P. [illegible], 434 Valentine Building, Toledo, Ohio.

Asbestos Workers' [illegible] of North America, P. J. Jones, [illegible] Arsenal Street, St. Louis, Mo.

Bakery and Confectionery International Association, [illegible] Fisher, 131 Randolph Street, Chicago, Ill.

Barber's International Union, Journeymen, Jacob Fischer, Box 517, Indianapolis, Ind.

Bill Posters and Billers of America, [illegible], 1493 Broadway, New York.

Brassworkers' [illegible], [illegible] M. Molloy, [illegible] Street, Philadelphia, Pa.

Blacksmiths' International Brotherhood, [illegible], New Century Rooms 51-55 Monroe Building, Chicago, Ill.

Blast Furnace Workers and Helpers of America, International Association, William J. Clarke, 128 Sandusky Street, Buffalo, N.Y.

Bookbinders, International Brotherhood of, [illegible] Williams, Room 7, Law Building, Kansas City, Kansas.

Bookbinders, International Brotherhood of, [illegible] Donaldson, Room 210, 132 Nassau Street, New York, N.Y.

Boot and Shoe Workers' Union, C. L. Baker, 241 Summer Street, Boston, Mass.

Brewery Workers, International Union of, Adam Hudelson, Rooms 709-710 Oddfellows' Temple, corner Vine and Calhoun Streets, Cincinnati, O.

Brick, Tile and Terra Cotta Workers, International Alliance, George Hodge, Rooms 509-10 Garden City Block, Chicago, Ill.

Bridge and Structural Iron Workers, International Association of, J. J. McNamara, 422 American Central Life Building, Cleveland, Ohio.

Broommakers' International Union, Oliver A. Bronner, 14 Swart Street, Box 536, Amsterdam, N.Y.

Bricklayers' and Masons' International Union, William Dobson, Oddfellows Building, Indianapolis, Ind.

Builders' Laborers' International Union, S. F. Johnson, [illegible] East Eighth St., Los Angeles, Cal.

Carpenters and Joiners, United Brotherhood, Frank Duffy, P.O. Box 187, Indianapolis, Ind.

Carpenters and Joiners, Amalgamated Society, Thomas Atkinson, 332 East 93rd Street, New York, N.Y.

Cement Workers, American Brotherhood of, H. T. Ullner, Mechanics Bank Building, San Francisco, Cal.

Carriage and Wagon Workers, International, J. H. Brinkman, 520 Sixth Street, Washington, D.C.

Carvers' (Wood) Association of North America, International, Thos. J. Lodge, 10 Carlisle St., Roxbury, Mass.

Carworkers, International Association of, G. W. Gibson, Rooms, 1205-6 Star Building, 356 Dearborn Street, Chicago, Ill.

Chainmakers' National Union of U. S. of America, C. C. Miller, 162 Wisconsin Avenue, Columbus, Ohio.

Compressed Air Workers, International Union, Mat. Moriarty, 41 Garden Place, Brooklyn, N.Y.

Curtain (Lace), Amalgamated, Operators of America, W. Barland, 2829 North Reese Street, Philadelphia, Pa.

Cutting Die and Cutter Makers' International Union, Harry Reiser, 616 Sixth Ave., New York.

Cigarmakers' International Union of America, George W. Perkins, Room 320 Monon Block, 320 Dearborn Street, Chicago, Ill.

Clerks' (Retail) International Protective Association, H. J. Conway, Box 1581, Denver, Col.

Coopers' International Union of North America, James A. Cable, Board of Trade Building, Kansas City, Kansas.

Commercial Telegraphers' Union of America, The. Wesley Russell, 930 Monon Building, Chicago, Ill.

Cloth, Hat and Cap Makers of North America, Max Zuckerman, 62 E. Fourth Street, New York, N.Y.

Conductors, Order of Railroad, W. J. Maxwell, Cedar Rapids, Iowa.

Electrical Workers, International Brotherhood of, Peter W. Collins, Pierik Buildings, Springfield, Ill.

Engineers, International Union of Steam, R. A. McKee, 606 Main St., Peoria, Ill.

Engineers, Locomotive, Brotherhood of, W. B. Printer, 306 Society for Savings, Cleveland, Ohio.

Engineers (Stationary), National Association of, F. W. Raven, 323 Dearborn St., Chicago, Ill.

Engineers and Machinists, Amalgamated Society of, Wm. Delahay, 76 Lafayette St., N.Y.

Elevator Constructors, International Union, W. Young, 952 North Nineteenth St., Philadelphia, Pa.

Firemen (Stationary), Int. Bro. of, C. L. Shamp, Rooms 2-4, 2502 N. 18th Street, Omaha, Neb.

Freight Handlers' and Warehousemen's Union of America, J. J. Flynn, 210 S. Halstead Street, Chicago, Ill.

Fur Workers of the U. S. and Can., Int. Association, A. V. McCormack, P.O. Box, 124, Toronto, Canada.

Firemen and Engineers, Locomotive, Brotherhood of, A. H. Hawley, Peoria, Ill.

Flour and Cereal Mill Employees' International Union, A. E. Kellington, 122 Corn Exchange, Minneapolis, Minn.

Fitters' (Steam and Hot Water) International Association, W. F. Costello, 188 Crown Street, New Haven, Conn.

Foundry Employees, International Brotherhood of, G. Bechtold, 200 South Broadway, St. Louis, Mo.

Glass Workers (Window), Amalgamated, of America, A. L. Faulkner, Electric Building, Cleveland, Ohio.

Glove Workers' International Union of America, Agnes Nestor, Bush Temple of Music, Chicago, Ill.

Granite Cutters' International Association of America, Jas. Duncan, Hancock Building, Quincy, Mass.

Gold Beaters' National Protective Union of America, Thos. Delaney, 88 Barrow Street, New York.

Grinders' and Finishers' National Union (Pocket Knife), F. A. Didsbury, 508 Brook Street, Bridgeport, Conn.

Grinders' National Union (Table Knife), J. F. Gleason, 76 Chestnut St., Bristol, Conn.

Garment Workers' of America, B. A. Larger, Rooms 116-117 Bible House, New York, N.Y.

Garment Workers' Union, International Ladies', John Alex. Dyche, 25-27 Third Avenue, New York, N.Y.

Glass Bottle Blowers' Association of United States and Canada, William Launer, Room 930, Witherspoon Building, Juniper and Walnut Sts., Philadelphia, Pa.

Glass Snappers' National Protective Association of America (Window), L. L. Jacklini, Kane, Pa.

Glass Workers' Amalgamated Association, International, William Figolah, 55 N. Clark St., Chicago, Ill.

Glass Workers' (flint) International, W. P. Clarke, 929 Ohio Building, Toledo, Ohio.

Hatters of North America (United), Martin Lawlor, 11 Waverly Place, Room 15, New York, N.Y.

Horseshoers, International Journeymen, Roady Kenehan, 1548 Wazee Street, Denver, Col.

Hod Carriers' and Building Labourers' International Union of America, Ernest Villard, Box 266, Elmira, N.Y.

Hotel and Restaurant Employees' and Bartenders' International Alliance, Jere L. Sullivan, Commercial Tribune Building, Cincinnati, Ohio.

Iron, Steel, and Tin Workers' Amalgamated Association, J. Williams, Water Street, Pittsburg, Pa.

Jewelry Workers' International Union, William F. Schade, 3032 North, Box 141, Philadelphia, Pa.

Knights of Labour, J. Frank O'Meara, Bliss Building, Washington, D.C.

Lathers' International Union of Wood, Wire and Metal, R. V. Brandt, 401 Superior Building, Cleveland, Ohio.

Laundry Workers' International Union, J. J. Manning, 602 Second Avenue, Troy, N.Y.

Lake District International Seamen's Union, 121 N. Desplaines Street, Chicago, Ill.

Leather Workers on Horse Goods, United Brotherhood, J. J. Pfeiffer, 209 Postal Building, Kansas City, Mo.

Leather Workers' Amalgamated International Union of America, John Roach, Box 414, Newark, N.J.

Lithographers' International P. & B. Association of U. S. and Canada, John Treanor, 419 Pacific St., Brooklyn, N.Y.

Lobster Fishermen's International Protective Association, J. B. Webster, Vinal Haven, Me.

Longshoremen, International Association, J. J. Joyce, Elks Temple, Detroit, Mich.

Machine Printers and Color Mixers of U. S., C. McCrory, 352 Forty-first Street, Brooklyn, N.Y.

Machinists, International Association of, George Preston, 102 McGill Building, Washington, D.C.

Maintenance of Way Employees' International Brotherhood, S. J. Pegg, Vanol Building, St. Louis, Mo.

Moulders' International Union of North America, E. J. Denney, Box 699, Cincinnati, Ohio.

Marble Workers' International Association, S. C. Hogan, 711 Eagle Avenue, New York.

Meat Cutters' and Butchers' Workmen, International Union, Homer D. Call, Lock Box 212, Syracuse, N.Y.

Metal Polishers', Buffers', Platers' and Brassworkers' Union, C. R. Atherton, Neave Building, Cincinnati, Ohio.

Metal Workers of America (United), International Union, C. O. Sherman, 148 West Madison Street, Chicago, Ill.

Mine Workers of America (United), William B. Wilson, 1106 State Life Building, Indianapolis, Ind.

Musicians, American Federation of, Owen Miller, 3535 Pine Street, Broadway and Market Streets, St. Louis, Mo.

Metal Workers, International Alliance of Amalgamated Sheet, J. E. Bray, 325 Nelson Building, Kansas City, Mo.

Paper and Rammermen, International Union of, J. E. Pritchard, 25 Third Avenue, New York.

Paving Cutters' Union of U. S. and Canada, J. Sheret, Lock Box 116, Albion, N.Y.

Post Office Clerks, National Federation of, G. F. Pfeiffer, 377 Albion Street, Milwaukee, Wis.

Potters, National Brotherhood of, E. Menge, Box 181, East Liverpool, Ohio.

Powder and High Explosive Workers of America, J. G. McCrindle, Gracedale, Pa.

Pioneers' International Association (Operative), Joseph McIlveen, 2909 Wylie Avenue, Pittsburg, Pa.

Painters', Decorators' and Paperhangers' Brotherhood of America, J. C. Skemp, Drawer 199, Lafayette, Indiana.

Paper Makers, United Brotherhood of America, J. T. Carey, 22 Smith Building, Watertown, N.Y.

Patternmakers' League of North America, Jas. Wilson, 403 Neave Building, Cincinnati, O.

Piano and Organ Workers' International Union of America, Chas. Dodd, 40 Seminary Avenue, Chicago, Ill.

Plate Printers' (Steel and Copper), International Union of America, T. L. Mahan, 319 S. Street, N.E., Washington, D.C.

Plumbers', Gasfitters', Steamfitters' and Steamfitters' Helpers, United Association of United States and Canada, John M. Love, 401-6 Bush Temple of Music, Chicago, Ill.

Printing Pressmen, International Union, Patrick J. McMullen, Room 703, Lyric Theatre Building, Cincinnati, Ohio.

Photo Engravers' Union of N.A., Louis A. Schwarz, 228 Apsley St., Philadelphia, Pa.

Quarryworkers' International Union of North America, P. F. McCarthy, Scampini Building, Barre, Vermont.

Railway Carmen of America, Brotherhood of, E. W. Weeks, 507 Hall Buildings, Kansas City, Mo.

Railway Clerks, Order of, W. G. Bowen, 9 Ralph Street, Lowell, Mass.

Railway Employees (Street and Electric), Amalgamated Association, W. D. Mahon, 45 Hodges Block, Detroit, Mich.

Railroad Telegraphers, Order of, L. W. Quick, Star Building, St. Louis, Mo.

Railroad Trainmen, Brotherhood of, A. E. King, Cleveland, Ohio.

Railroad, Freight and Baggagemen, Brotherhood of America, M. Cronin, Woodworth Building, Lancaster, Pa.

Roofers (Composition), Damp and Fireproof Workers of U. S. and Canada, International Brotherhood, H. Sands, 236 Washington Street, Newark, N.J.

Rubber Workers' Amalgamated Union of America, Clarence E. Akerstrom, 25 Grant Street, Cambridge, Mass.

Sheet Metal Workers' Amalgamated International Alliance, John E. Bray, 313 Nelson Building, Kansas City, Mo.

Sawsmiths' National Union, F. E. Kingsley, 1145 Beville Avenue, Indianapolis, Ind.

Seamen's International Union of America, W. H. Frazier, Lewis St., Boston, Mass.

Shingle Workers' International Union of America, J. E. Campbell, 405 American National Bank Building, Everett, Wash.

Shipwrights', Joiners' and Caulkers' International Union of America, Thos. Durett, 108 Marshal St., Elizabeth, N.J.

Slate and Tile Roofers' International Union of America, W. W. Clark, 1,160 St. Louis Avenue East, St. Louis, Ill.

Steam, Hot Water and Power Pipe Fitters and Helpers, International Association of, W. F. Costello, Poli Building, New Haven, Conn.

Steam Shovel and Dredgemen, International Brotherhood of, T. J. Dolan, 134 Munroe St., Chicago, Ill.

Stonecutters' (Journeymen) Association of North America, Jas. F. McHugh, Drawer 2,348, Washington, D.C.

Slate Workers, International Union of, T. H. Palmer, Pen Argyle, Pa.

Spinners' International Union, S. Ross, Box 337, New Bedford, Mass.

Steel Plate Transferers' Association of America, F. D. Tichenor, 530 Kosciwks St., Brooklyn, N.Y.

Stage Employees' (Theatrical), International Alliance, Lee M. Hart, State Hotel, State and Harrison Street, Chicago, Ill.

Stereotypers' and Electrotypers' International Union of North America, Geo. W. Williams, 665 Massachusetts Avenue, Boston, Mass.

Switchmen's Union of North America, M. R. Welch, 326 Brisbane Building, Buffalo, N.Y.

Stove Mounters' International Union, J. H. Kaefer, 166 Concord Avenue, Detroit, Mich.

Tailors' (Journeymen) Union of America, John B. Lennon, Box 597, Bloomington, Ill.

Teamsters, International Brotherhood of, Thos. L. Hughes, 147 Market St., Indianapolis, Ind.

Textile Workers, United, of America, Albert Hibbert, P.O. Box 742, Fall River, Mass.

Tile Layers' and Helpers' (Ceramic, Mosaic and Encaustic), International Union, James P. Reynolds, Harmony, Pa.

Tin Plate Workers' International Protective Association of America, C. F. Lawyer, Reilly Block, Wheeling, W. Va.

Tip Printers' International Brotherhood, T. J. Carolan, 252 Market St., Newark, N.J.

Tobacco Workers, International Union of, E. Lewis Evans, Room 56, American National Bank Building, 3rd and Main Streets, Louisville, Kentucky.

Typographical Union, International, J. W. Hays, Rooms 610-50, Newton-Claypool Building, Indianapolis, Ind.

Travellers' Goods and Leather Novelty Workers' International Union of America, Murt. Malone, 230 Jefferson Ave., Oshkosh, Wis.

Upholsterers' International Union of America, J. H. Hatch, 145 East Fifty-third St., New York.

Weavers' Amalgamated Association Elastic Goring, Alf. Haughton, 50 Cherry St., Brockton, Mass.

Weavers' Protective Association, American, Wire, E. E. Desmond, 148 St. Nicholas Ave., New York.

Woodmen and Sawmill Workers' International Brotherhood, E. G. Pape, 1609 Fifth St., Eureka, Cal.

Woodworkers' Amalgamated International Union of America, Jno. G. Meiler, Bush Temple, Chicago, Ill.

RECENT LEGAL DECISIONS AFFECTING LABOUR IN ONTARIO.

Labour Gazette, February, 1909.

Protection of Building Employees.

A decision was reached in a case brought by Wm. Ridler vs. the Geo. A. Just Co. at the Assize Court, London. Ridler was suing for $3,000 damages for injuries done him through alleged negligence upon the part of the Just Co., who had charge of the construction on the Smallman & Ingram building, and for whom Ridler was working. The jury returned a verdict that negligence had been shown by the company in not properly flooring the first floor, and by failing to do so, not giving reasonable protection to workmen carrying on their work on the ground floor, as tools and other implements might easily fall through and cause injury to the workmen as was the case with Ridler. The jury assessed the damages at $225.

Settlement out of Court.

In an action brought at Hamilton by John Southorn against the Hamilton Steel & Iron Co. for $10,000 damages for injuries received while in its employ, the

case was adjourned by Mr. Justice Teetzel, after being partly tried, in order that the parties might reach a settlement. Later his lordship announced to the jury that a satisfactory settlement had been reached. In his address to the jury his lordship complimented the company on its humanity and generosity, and hoped this humane example would be followed by other employers, believing that such treatment would probably result in fewer actions being brought for heavy damages by those who received injuries.

Labour Gazette, March, 1909.

Mechanics' Lien Notice.

A motion was recently made before the Master in Chambers at Osgoode Hall in the case of Robinson vs. Bullen under the Mechanics' Lien Act for summary judgment against the defendant on the ground that one of them had not put in any defence and that the others had no real defence, and because one of them had frequently admitted the plaintiff's claim and promised to pay it. The Master held that such a summary judgment could not be given inasmuch as when proceedings were taken under the Mechanics' Lien Act they must be confined to the remedies which it gave.

Workmen's Compensation.

Chief Justice Sir William Meredith recently gave a decision in the case of Mrs. Frank Fralick, of Brantford, vs. the G. T. R. Co., awarding the plaintiff $3,300 with the costs of the suit. On October 6th, 1908, Frank Fralick, in charge of the engine of a work train, pulled out of Brantford under orders, and collided with a returning pilot engine that had been pushing a heavy train up the Mount Vernon grade. In the collision, which occurred 7 miles out of Brantford, Fralick was killed. The plaintiff claimed negligence on the part of the company in that the pilot engine was permitted to run out of Brantford without train orders and that the yard foreman was the only man entrusted with the guarding of the work train. The amount claimed was $15,000 damages on behalf of herself and her seven children. In bringing in their decision the jury stated that if the workman alone was to blame, under the Workman's Liability Act, the plaintiff should receive $3,300, but if the company was responsible the damage should be fixed at $8,250. His lordship considered the former was the case, and granted the lesser damages.

Sheet Metal Workers.

Legal proceedings between the Metallic Roofing Co., of Toronto, and the Toronto Sheet Metal Workers' Union, have been discontinued, a settlement having been negotiated through representatives of the company and the union. The terms of the settlement have not been made known, but it is stated that the product of the Metallic Roofing Co. will be removed from the unfair list of the union and friendly relations between the company and the union restored.

Labour Gazette, April, 1909.

Railway Conductors Convicted of Fraud.

Two G. T. R. conductors convicted recently on charges of conspiring to defraud the company were sentenced by Judge Winchester to three years each in the Kingston penitentiary. Two confederates were sentenced to one year each in the Central Prison. A third was allowed to go on suspended sentence.

Settlement out of Court.

At the Brantford Spring Assizes settlement was made by the Cataract Power Co. of the claim of Fred. Whiting, who lost one hand by coming in contact with an unprotected live wire at Mohawk last Fall. The company paid Whiting $1,000 and costs and agreed to provide him with an artificial arm and employment at $1.25 per day.

Drowned Men's Widows.

Two damage suits against Joseph Battle, viz., Sauve vs. Battle, and Wilson vs. Battle, have been settled out of Court. The plaintiffs were widows of two men who were drowned in Burlington Bay last summer while in the employ of defendant. The men were sent out in a boat to bring in an anchor. The anchor weighed 200 lbs., and the men were dragging it back to land when, it is believed, the anchor caught in a rope suspended under the water, and dragged the boat backward, with the result that the boat sank and the men were drowned. An attempt would have been made to save them, but no other boat could be found.

Labour Gazatte, May 1909.

Injury from Defective Machine.

The plaintiff in a recent appeal case was a workman in defendant's employ at Rondeau Station, as car inspector, and on the occasion in question had gone to the engine room to get a saw which he required to use. While in the room for that purpose the engine exploded, causing him very severe injuries. At the trial the jury found that the defendants were guilty of negligence in neglecting to have the boiler tested by hydraulic pressure at stated intervals, that the boiler was defective through long usage and erosion, and other findings establishing a cause for action at common law. The Judge said it was the duty of an employer to keep his appliances in a reasonably safe condition and he was responsible for his neglect for not having such an inspection as would expose the defect. The appeal was dismissed.

(Waddell vs. Pere Marquette R. Co., April 5, 1909; Court of Appeal).

Labour Gazette, June, 1909.

Injury to Servant.

Action was recently brought by a girl 18 years of age employed in a steam laundry at Sudbury for damages sustained owing to alleged negligence of the defendant. The case was tried by a jury, and the contention of the plaintiff was that she had been set to work at a mangle which was not securely guarded. The defendant alleged that the accident had occurred through the plaintiff working at the feeding side of the mangle instead of at the delivery side as she had been instructed. The Judge put several questions to the jury, but the latter were unable to agree upon all. The case was dismissed on the grounds that it was necessary for the jury to deal with the questions submitted.

(D'Aust vs. Bissett; Riddell, J.; May 1, 1909.)

Wages Without Formal Contract.

An appeal to the Divisional Court was recently taken from a judgment of Teetzel, J., on March 3, 1908, involving the payment of $483 to a quarry operator. The defendants denied the employment of the plaintiff on the ground that there was no contract for employment under the corporate seal of the company. He had

been in the service of the co-owners of the property prior to the incorporation and he remained on the work under the direction of one of the partners, who was acting manager. The appeal was dismissed with costs.

(Milne vs. Ontario Marble Quarries, Ltd. Divisional Court: May 3, 1909.

Damages for Death of Engineer.

The wife of a C. P. R. engineer, who was killed last autumn in a head-on collision at Pembroke, was awarded $4,500 damages. Representatives of the widow and the company met before Chancellor Boyd in weekly Court and judgment was by consent. There are four children who will share in the money, and the Judge suggested that the family arrange among themselves how it should be apportioned. The engineer was in no way responsible for the collision. A light engine from Carleton Place running without orders, collided with deceased's train, a passenger train on time.

Labour Gazette, August, 1909.

Dismissal from Service.

In an action for wrongful dismissal of plaintiff from the service of defendants as master baker, the trial Judge (Falconbridge, C. J.) found that owing to the negligence or incompetence (or both) of plaintiff, the premises, machinery and plant of defendants were permitted to get into a condition of filth and disrepair which injured defendants' business and was a menace to the public health. A bakery and its adjuncts ought to be kept scrupulously clean. The president of the defendant company, who had been absent in Europe, found on his return the condition of affairs above mentioned, and was therefore justified in dismissing the plaintiff who had no claim on defendants. Action dismissed with costs.

(French vs. Morton: Falconbridge, C. J.

Master and Servant.

In an appeal by plaintiff from a judgment of the trial Judge dismissing an action brought by the widow of deceased to recover damages for his death, caused, as alleged, by defendant's negligence, the appeal was dismissed. Deceased was in the employ of defendants, engineers and contractors, who had a subcontract in the construction of the railway tunnel being driven under the Detroit river near Windsor. On September 15, 1908, a fire took place upon defendant's works; the deceased came to the place of the fire and became suffocated. The trial Judge dismissed the action subject to the question of contributory negligence. If a Divisional Court should be of opinion that there was no evidence of such negligence for the jury, plaintiff should have judgment for $4,000 and costs, but if that court should be of opinion that deceased was guilty of such contributory negligence as to disentitle the plaintiff to recover, the dismissal of the action might be continued. It appeared from the evidence that deceased was in the employment of defendants, but at a point nearly half a mile away. He had no duty at the place where the fire occurred, and he came there without any request or command, and went down into the burning cavity with one S. Deceased went down and came back several times for different purposes and finally, when called upon to come out, replied, "All right, I will be there in a minute." He did not come and was afterwards found in a position indicating that he was trying too late to get out when overcome. After he came out the first time he was warned by one Dr. W. not to go down, and it appeared that he would have been saved had he come out when called by S., who was the foreman in charge of No. 4, where the fire took place. The Court held

that deceased having deliberately gone down into the cavity, and having no duty which called him there, should himself be held in law to be the author of his own misfortune, and that his action was not bettered even if he was desiring to save life, however noble and courageous such conduct would be. The action would also fail on the ground that deceased did not obey the person in charge of the work for the defendants, and that he remained in a place of danger after having been commanded to come away. Appeal dismissed without costs.

(Kimball vs. Butler.)

Labour Gazette, October, 1909.

Liability for Workman's Wages.

Plaintiff, who worked in defendant's stone quarry, sued for his wages. The defendants denied plaintiff's employment. There was no contract under defendant's seal as a corporation; but the acting manager of defendants told plaintiff to go to work, three of the directors knew he was working and defendants got the benefit of the work. The defendants were held liable.

Sentencing of Rioters at Fort William.

During the shooting affray which took place during the recent strike of freight handlers at Fort William, 15 men were arrested by the police, of whom one was discharged at the preliminary investigation, as there was no identification. The rest were all tried. Charles Frank, charged with rioting and unlawful assembly, was sentenced to 9 months' imprisonment. Tony Limber and John Delarbi pleaded guilty to the same charges and were sentenced to 7 months each; Tony Botchenski, Wasyl Condogon, Geo. Christie and Mike Tomchuk were acquitted. Charged with unlawful assembly, Tony Panapolis and E. Mazuone were found guilty and sentenced to 7 months each; S. Bibos was found guilty and sentenced to 30 days' hard labour, while Joe Stalmuck, Gus Millis, George Devacos and Jas. Macropolis were acquitted.

Labour Gazette, November, 1909.

Master and Servants Act.

Upon a motion for prohibition to the Police Magistrate of London on behalf of one S., who was convicted under the Ontario Master and Servants Act, Chief Justice Falconbridge held that the magistrate had no jurisdiction under that Act to order payment of wages for any period after the discharge of the servant. He followed in that respect a decision on the same point by Mr. Justice Scott in the North-West Territories. In the London case the Police Magistrate's conviction expressly awarded damages for wrongful dismissal. S., the party convicted, made an abortive attempt to appeal to the Division Court, but it was held that this did not disentitle him to move for prohibition. The prohibition, which stopped further proceedings under the conviction, was granted both as to the wages and the damages, but the Chief Justice stated that if the magistrate had specified how much he awarded for wages and how much for damages, so as to make the amounts severable, he might have limited the prohibition to the award of damages.

(Swanick v. Ketinsky, 14 Ont. Weekly Reporter, 537.)

Workman's Compensation for Injuries.

Plaintiff, who was in the defendant railway company's employment as a section man, sued for damages for an injury. While working upon a railway

track a train came along and a piece of coal fell from the tender, and struck and fractured his ankle. The negligence on defendant's part, which was alleged, was that the coal was unnecessarily piled in the tender, above the sides, in such quantity and manner that the rapid motion of the train could and did shake down the chunk which, falling on the corner of the tender, flew off with dangerous force and struck the plaintiff. Defendants denied any negligence, and pleaded that notice of the injury had not been given in proper time under the Workmen's Act, and that plaintiff had released his claim after action for $300. Mr. Justice Clute, who tried the action without a jury, held that although the notice of action was too late, there was reasonable excuse for not giving it in time, and that defendants had not been prejudiced; that the release had been obtained under circumstances, which, having regard to the physical and mental condition of the plaintiff, rendered it inequitable that it should be allowed to stand, and that the evidence was sufficient to support plaintiff's claim under the Workmen's Act. He awarded $1,500 damage, upon which the $300, paid when the release was obtained, was to be credited. Upon an appeal to the Court of Appeal this judgment was affirmed, in a judgment by Mr. Justice Garrow for the Court. The appeal was dismissed with costs.

(O'Brien v. M. C. R. Co., 14 Ont. Weekly Reporter, 581.)

Twofold Procedure to Enforce Mechanics' Lien.

Plaintiffs instituted proceedings under the Mechanics' Lien Act to enforce a lien, and also issued a writ for the same purpose. Upon a motion by the defendants before Mr. Cartwright, Master in Chambers, to have the latter action stayed, the Master held that the two procedures are quite different, for, in the personal action, there may be a more speedy recovery and a different and fuller judgment than in the other proceedings, therefore it was not right to interfere. The motion was dismissed.

(Hamilton Bridge Works Co. v. General Contracting Co., 14 Ont. Weekly Reporter, 646.)

Illegal Claim for Damages.

Plaintiff, a labourer, brought an action against the defendants, railway contractors, for damages for injuries caused by freezing of his hands through the alleged negligence of defendants' foreman in discharging him without making provision for his return to the place from which he had been brought by defendants. The judgment of the trial judge, Mr. Justice Clute, dismissing the action, was reversed by the Divisional Court, whose judgment was in turn reversed by the Court of Appeal, who restored the judgment of the trial judge. The last named Court held that, on the evidence the plaintiff had no legal claim for damages.

(Vasilif v. McDonald & Stephens, 14 Ont. Weekly Reporter, 654.)

Contributary Negligence Under Factories Act.

In an action at the Toronto Assizes by Henry Champion, a woodworker and former employe of the Boake Manufacturing Co. for the loss by the plaintiff of the index finger of the left hand judgment was given on the answers of the jury to certain questions put to them, in favour of the defendant. The plaintiff claimed that he was ripping a narrow strip of board on the 14th of April last when something slipped and the saw which he was working severed the finger at the top joint. According to the Ontario Factories Act all machinery of a dangerous nature must be properly guarded, and plaintiff's action was based on

the ground that there was negligence on the part of the defendants in not having this done. He produced in court a miniature model of the saw for the inspection of the jury. The jury visited the factory of the defendants and examined the saw which caused the accident and they found that it was properly protected as required by the Act. They also found that the plaintiff had contributed to the accident by his own negligence.

Settlement of Action for Damages.

Wallace May, of Windsor, was electrocuted in the month of June last while engaged in the works of the tunnel being constructed between Detroit and Windsor. It appeared that one of the rails became charged with electricity, and that May touched the rail with a crowbar, whereby he received a shock which proved fatal. He left a widow and two children, girls of 14 and 16 years of age respectively. In an action for damages against the Butler Bros. Construction Co., on behalf of the widow and children a settlement was made between the parties whereby the company agreed to pay the widow $1,000 and the children $500 each. The settlement was ratified by Mr. Justice Latchford, who directed that the mother be allowed $3 a week from the share of the younger girl, and $2 a week from that of the elder girl for maintenance.

Canada Labour Gazette, December, 1909.

Death of Electrician.

The plaintiff, the widow and administratrix of Alphonse Paquette, claimed damages for the death of her husband, an electrician in the employ of the defendants, who was thrown from a high ladder while repairing an electric light, in the centre of defendants' rink, by reason of a boy skating against the ladder. Plaintiff alleged that her husband's death was due to defendants' negligence, in that the ladder supplied by defendants was not properly constructed for the purpose for which it was used, and was unsuitable for such purpose, being defective in design and manufacture. Upon the findings of the jury, at the trial before Mr. Justice Anglin, the action was dismissed. The Divisional Court on appeal ordered a new trial. The Court of Appeal reversed the judgment of the Divisional Court, and restored the judgment at the trial on the ground that the unsuccessful party must be able to point to something like a mistrial or perverse or unreasonable conduct on the part of the jury in order to attack a verdict for his opponent, and this had not been done.

(Paquette v. The Rideau Skating Club, 14 Ont. Weekly Reporter, 845.)

Municipal Lands and Mechanics' Lien.

Upon a motion to vacate a lien registered by the plaintiff, a contracting company, against the lands of the defendants, the corporation of the City of Ottawa, under the provisions of the Mechanics' Lien Act, it was held by Judge McTavish, Judge of the County Court of the County of Carleton, that the lands of a municipality actually required for the use of the municipality such as fire halls, police stations, etc., are exempt from the operation of the Act on the ground of public policy and public convenience. In his judgment on the case the learned Judge said that it had been held that the lands of a railway company were exempt from the operation of the Act on grounds of public policy and public convenience. This test equally applied to municipal buildings. He made an order vacating the lien registered by plaintiffs, but without prejudice to any other action which

plaintiffs might see fit to take, and gave defendants costs of the motion, but with permission to plaintiffs to appeal, if they so desired.

(General Contracting Co. v. City of Ottawa, 14 Ont. Weekly Reporter, 749.)

Damages to Coke Workers.

Charles Latham, a coke worker employed by the City Gas Co. of the City of London, sued the company for damages alleged to have been sustained under the following circumstances: Plaintiff was carrying a pail of hot water up a ladder on the company's premises, when he slipped and fell a distance of 25 feet, breaking his left leg and ankle and spraining his right ankle. He claimed that the defendants were responsible for the accident on account of the defects of the arrangements of the ways and works and machinery in use on the company's premises. The jury awarded the plaintiff $1,000 damages.

Mechanics' Lien and Damages for Delay.

Plaintiff brought action to establish and enforce his lien under the Mechanics' Lien Act, which arose out of two contracts in writing and for additional work. Defendants denied that the work was authorized in writing or properly done, or done in the time specified, and claimed $500 as liquidated damages for each week of delay. The referee before whom the matter came gave judgment for plaintiff for $3,250.21, and dismissed defendants' claim for damages. Upon an appeal by the defendant (the owner) from this judgment and a cross appeal by the plaintiff (the contractor) from the same judgment both appeals were dismissed by the Divisional Court and the judgment of the referee affirmed.

(Hutchinson v. Rogers, 14 Ont. Weekly Reporter, 768.)

TRADE DISPUTES IN ONTARIO.

Labour Gazette, February, 1909.

Strike of Cap Workers in Toronto.

On January 5, about 33 cap workers employed by the Cooper Cap Co. of Toronto, declared a strike. According to the employers the dispute arose because the operatives wanted a union shop while the employers wanted an "open" shop. According to a report received from the employes the dispute arose because the employers had refused to grant a demand for higher pay on piecework and also refused to sign an agreement not to discharge any of them. Three of the strikers were female employes, and 30 were males.

Labour Gazette, March, 1909.

Strike of Iron Moulders at Guelph.

On February 24, about 14 iron moulders declared a strike at Guelph on account of the refusal of the employer to grant a demand for the payment of $2.50 a day for an eight-hour day, or the union scale of $2.75 for a day of nine hours. Work was resumed on March 10, at $2.50 per day for full time.

Labour Gazette, April, 1909.

Strike of Iron Moulders at Hamilton.

On account of the failure of negotiations between four stove manufacturing firms of Hamilton and the Iron Moulders' Union, with reference to wages, a strike

took place in which about 170 men were affected. On March 24 a statement was given to the press by the executive of the union in which it was declared that the cause of the dispute was the desire on the part of the employers to reduce wages 20 per cent. A conference was held in January, but after several meetings no settlement could be reached. The employers then put into operation the reduction of 20 per cent., and three of the four firms secured between them about 50 non-union moulders, as claimed by the employers.

Labour Gazette, May, 1909.

Strike of Tunnel Workers at Windsor.

On April 2, a strike was declared by shield makers to the number of 150 employed in the construction of the tunnel under the Detroit river at Windsor. The demand was made for an increase of wages from 27½ cents to 35 cents per hour, but the men returned to work on April 7, at 30 cents per hour.

Labour Gazette, June, 1909.

Strike of Glass Workers in Toronto.

A strike of grinders and bevellers to the number of 19 employed by the Toronto Plate Glass Copper Co. occurred on May 13, a demand being made for an increase of wages to the scale in force in the month of February last. This would involve, it was understood, an increase of 15 to 20 per cent. on the rates now in force. At the end of the month the dispute had not been settled, but it was stated by the manager of the company that the strikers' places had been filled, and that, so far as the company was concerned, the matter was at an end. The Department was also informed that most of the men who had been involved in the matter had obtained employment elsewhere.

Strike of Labourers in Scarborough Park.

A strike of labourers employed by Messrs. Hyde & Co., of Toronto, on their contract for grading Scarborough Park, Toronto, occurred on May 4. In this case 50 workmen struck for an increase of wages from 17 to 20 cents per hour. The Scarborough Park Co. was appealed to in the matter, but declared that it had no control over the wages to be paid for this work. The contractor refused to comply with the demand of the strikers, and the men were accordingly discharged, other labourers being taken in their places. The strikers in this case were unorganized, and scattered to find other employment. The work was reported to be progressing without further interruption.

Strike of Teamsters at Ottawa.

A strike occurred on May 31 of teamsters employed by the city corporation of Ottawa, in which a demand was made for an increase from $3.85 to $4 in the price per day for team and driver. About 30 teamsters were affected. It was understood that steps were being taken by the City authorities to secure, if possible, the services of other teamsters in the strikers' places.

Labour Gazette, July, 1909.

Strike of Labourers of Hotel at Ottawa.

Labourers to the number of 100, employed on the excavation for the proposed G.T.R. hotel at Ottawa, went on strike on June 4, demanding a wage of $1.75 for a 9-hour day in place of the wage of $1.50 for a 10-hour day, which had been

up to that time in force. The company refused the demand, and in a few days it was reported to the Department that all the men required had been secured by the company at the old rate of wages. The wages asked by the men are current on corporation work in the city of Ottawa, and it was understood that most of those concerned found employment in that way.

Strike of Street Railway Labourers at Hamilton.

A strike of labourers to the number of 250, employed by the Hamilton Street Railway Co. occurred on June 2, and was terminated on June 4. The workmen in question were receiving a wage of 15 cents per hour for the relaying of the roadbed. Their demand was for 20 cents an hour, the rate paid to municipal labourers. It was reported to the Department that the company had agreed to pay a rate of 17 cents an hour.

Strike of Tunnel Workers at Windsor.

A strike of labourers to the number of 200, employed by the Butler Bros. Construction Co. in the construction of the tunnel under the Detroit river between Windsor and Detroit occurred on June 1. In this case the miners concerned were receiving a wage of 35 cents per hour and demanded an increase to 40 cents per hour. On June 7 the strike was reported to the Department as being ended, the company having obtained other workmen to fill strikers' places.

Strike of Bricklayers, Masons and Plasterers at Berlin, Galt, Hespeler and Preston.

A strike of bricklayers, masons and plasterers to the number of 200 occurred on June 3, and continued until June 18, when an agreement was signed between the Builders' Exchange of Waterloo and the Bricklayers', Masons' and Plasterers' Union, No. 12, of Berlin and the Bricklayers', Masons' and Plasterers' Union, No. 15, comprising the towns of Galt, Preston and Hespeler. In this agreement provision was made for the payment of a wage of 40 cents per hour from July 1, 1909, until April 30, 1910; 43 cents per hour from May 1, 1910 to April 30, 1911; 45 cents per hour from May 1, 1911 to April 30, 1912. The agreement made provision also for the establishment of joint committees to adjust disputes. The Builders' Exchange agreed to employ only union bricklayers, masons and plasterers and to concede a 9-hour day until April 30, 1911, and an 8-hour day thereafter.

Canada Gazette, August, 1909.

Strike of Garment Workers at Stratford.

On June 28 a strike of garment makers took place at Stratford on account of the refusal of the employer to sign an agreement presented to him by his foreman. According to the employer about 7 males and 23 females were affected by this strike. No settlement of the dispute was reported during the month but the employer stated on July 15 that he had begun work again with two hands and was adding to them as quickly as possible.

Strike of Longshoremen at Hamilton.

On July 6 about 40 longshoremen employed by the Mutual Steamship Co. declared a strike on account of the refusal of the employers to grant a demand for an increase in wages from 25 to 37½ cents per hour. No settlement of this dispute was reported but it was stated that the strikers sought work on other docks at

the 25-cent rate. The strikers were not members of any union, but were among those who took the place of union men last October when the latter went on strike for an advance from 25 cents to 30 cents an hour.

Strike of Labourers at Woodstock.

On July 7, about 28 labourers working on the line of the C.P.R. near Woodstock declared a strike. It was reported that these men, with 20 others, had signed a contract with the company at Montreal early in June to do railway construction work for $1.35 per day. After working for 5 weeks they demanded $1.75, claiming that this price was paid by the company in other localities. The men were offered for immediate settlement $1.40 per day, which they refused. After further consideration the men decided to accept this offer, but were told that it had been withdrawn. The men finally accepted the rate of $1.35 per day, which they had been receiving before the strike, less $1.50 deducted for fare from Montreal. The contractors provided for free transportation if they were adhered to for four months.

Labour Gazette, October, 1909.

Strike of Bricklayers and Masons at Peterborough.

On September 7 about 20 bricklayers and masons at Peterborough stopped work on account of the employment of non-unionists, and with a view of obtaining an increase in wages, bringing them up to union rates. On the following day work was resumed, the employer having agreed to pay the union scale of wages.

Strike of Painters at Kingston.

On September 27 a strike of 8 painters was reported to have occurred at Kingston on account of the refusal of a painter employed in the shop affected to join the Union of Painters and Decorators of America. This dispute was the recurrence of one which took place on August 16.

Labour Gazette, November, 1909.

Strike of Leather Workers at Ottawa.

On October 14, a strike of leather workers took place at Ottawa, affecting about four firms and 72 employes. The cause of the dispute was the refusal of the employers to grant a general increase of 10 per cent. in wages. It was stated by one of the firms involved that they did not object to advancing wages of some of their employes even more than 10 per cent., but they opposed a general increase because several of their employes had recently received an increase of from 10 to 50 per cent., and there were others whom they did not consider entitled to an increase. During the month the leather workers applied for a Board under the Industrial Disputes Investigation Act of 1907, but the consent of both parties being necessary in a dispute not affecting public utilities or mines, and the employers not consenting, no Board was established.

Labour Gazette, December, 1909.

Strike of Glove Makers at Acton.

On November 15 a strike of 7 table cutters, employed in the glove factory of Messrs. W. H. Storey at Acton, declared a strike. It was stated by the company that the cause was a disagreement between one of the employes and a foreman. On the following day 3 of the strikers returned to work, but the others remained out till November 27, when they agreed to return on condition that the company would make some changes in the piecework prices at the beginning of the New Year.

BRITISH LABOUR NEWS.

Changes in Wages.

The total number of workpeople whose wages were reported to be changed in the first quarter of 1909 was 1,056,810, as compared with 625,316 in the corresponding period of 1908. The changes arranged [illegible] workpeople a net increase of £163 per week and 1,048,799 workpeople a net decrease of £19,169 per week, while the remaining 3,869 had upward and downward changes, which left their wages at the same level as at the beginning of the year. The net effect of all the changes was thus a decrease of £19,306 per week, as compared with an increase of £15,269 in the corresponding period of 1908.

Changes in Hours.

The total number of workpeople reported as affected by changes of hours of labour in the first quarter of 1909 was 2,030; the net decrease in their working hours being 13,560 per week.

Trade Disputes.

For the first quarter of 1909 the number of trade disputes was 76, the number of workpeople affected was 21,235, and the aggregate duration in working days 386,200, as compared with 93, 52,932, and 1,797,000 respectively in the corresponding period of 1908.

Lead and Other Poisoning.

During the first quarter of 1909 there were reported 143 cases and 11 deaths from lead and other poisoning and anthrax in factories and workshops as compared with 171 cases and 7 deaths in the corresponding period of 1908. There were also 56 cases and 11 deaths from lead-poisoning among house painters and plumbers, as compared with 49 cases and 9 deaths in the corresponding period of 1908.

Unemployed.

In the 416 unions, with a net membership of 700,651, making returns, 57,450, or 8.2 per cent., were reported as unemployed at the end of March, 1909, as compared with 6.4 per cent. at the end of March, 1908.

Changes in Wages.

The total number of workpeople whose wages were reported to be changed in the first half of 1909 was 1,091,586, as compared with 850,019 in the corresponding period of 1908. The changes arranged gave 6,439 workpeople a net increase of £263 per week and 1,081,278 workpeople a net decrease of £68,007 per week, while the remaining 3,869 had upward and downward changes which left their wages at the same level as at the beginning of the year. The net effect of all the changes was thus a decrease of £67,744 per week, as compared with one of £16,110 per week in the corresponding period of 1908.

Changes in Hours.

The total number of workpeople reported as affected by changes of hours of labour in the first half of 1909 was 19,121. Of these, 221 had their aggregate working time increased by 332 hours per week, and 18,900 had reductions amounting to 46,235 hours per week.

Trade Disputes.

For the first half of 1909 the number of trade disputes was 164, the number of workpeople affected was 48,030, and the aggregate duration in working days 772,200, as compared with 200, 90,714 and 4,220,100 respectively in the corresponding period of 1908.

Lead and Other Poisoning.

During the first half of 1909 there were reported 308 cases and 23 deaths from lead and other poisoning and anthrax in factories and workshops, as compared with 371 cases and 19 deaths in the corresponding period of 1908. There were also 114 cases and 23 deaths from lead poisoning among house painters and plumbers, as compared with 94 cases and 13 deaths in the corresponding period of 1908.

Unemployed.

In the 416 trade unions, with a net membership of 698,284, making returns, 55,331, or 7.9 per cent, were reported as unemployed at the end of June, 1909, as compared with the same percentage at the end of June, 1908.

Changes in Wages.

The total number of workpeople whose wages were reported to be changed during the 9 months ending Sept. 30th, 1909, was 1,117,876, as compared with 898,883 in the corresponding period of 1908. The changes arranged gave 9,195 workpeople a net increase of £372 per week, and 1,108,271 a net decrease of £69,457 per week, while the remaining 410 had upward and downward changes, which left their wages at the same level as at the beginning of the year. The net effect of all the changes was thus a decrease of £69,085 per week, as compared with one of £54,794 per week in the corresponding period of 1908.

Changes in Hours.

The total reported as affected by changes in hours of labour during the 9 months ending Sept. 30, 1909, was 58,289 (exclusive of those affected on account of the adoption of the Coal Mines Regulation Act, 1908). Of these, 621 had their aggregate working time increased by 1,140 hours per week, and 57,668 had reductions amounting to 103,853 hours per week.

Trade Disputes.

For the first 9 months of 1909 the number of trade disputes was 306, the number of workpeople affected was 261,286, and the aggregate duration in working days 2,257,700, as compared with 284; 246,975 and 6,369,300 respectively in the corresponding period of 1908.

Lead and Other Poisoning.

During the first 9 months of 1909 there were 465 cases and 30 deaths from lead and other poisoning and anthrax in factories and workshops, as compared with 563 cases and 28 deaths in the corresponding period of 1908. There were also 177 cases and 36 deaths from lead poisoning among house painters and plumbers, as compared with 158 cases and 27 deaths in the corresponding period of 1908.

Unemployed.

In the 416 trade unions, with a net membership of 695,720 making returns, 51,749, or 7.4 per cent., were reported as unemployed at the end of September, 1909, as compared with 9.3 per cent. at the end of September, 1908.

Changes in Wages.

The number of workpeople reported as affected by changes in rates of wages in 1909 was 1,150,919, of whom 16,481 received net increases computed as amounting to £697 per week, and 1,129,511 sustained net decreases amounting to £69,909 per

week. The remaining 4,927 had upward and downward changes which left their wages at the same level as at the beginning of the year. The net result of all the changes taking effect during the year was thus a reduction computed at £69,242 per week.

Changes in Hours.

The changes in weekly hours of labour taking effect in 1909 affected 62,753 workpeople. Of these, 690 had their aggregate working time increased by 3,278 hours per week, and 61,063 had reductions amounting to 110,277 hours per week.

Labour Disputes.

The number of disputes causing stoppage of work in 1909 was 109, involving directly and indirectly 299,949 workpeople, with an aggregate duration of over 2¾ million working days.

Unemployed.

In the 416 trade unions, with a net membership of 695,720 making returns, 45,963, or 6.6 per cent. were reported as unemployed at the end of December, 1909, as compared with 9.1 per cent. at the end of 1908.

Industrial Diseases.

During the twelve months of 1909, the total number of cases of lead and other poisoning and of anthrax in factories was 625, as compared with 727 in 1908. The total number of deaths was 42 in 1909, as compared with 40 in 1908. In addition, there were 241 cases, including 47 deaths, among house painters and plumbers, as compared with 239 cases, including 44 deaths, during 1908.

Fatal Industrial Accidents.

During the twelve months of 1909 the total number of workpeople reported as killed in the course of their employment, exclusive of seamen, was 2,869, as compared with 2,892 in 1908. The total number of seamen killed during the same period was 1,152 in 1909 and 1,283 in 1908.

AUSTRIA.

Trade Unions.

Statistics of trade unions in Austria in 1908 say the total number of federated trade unions was 5,466, consisting of 51 central or national unions, 78 district unions and 5,337 local unions; in 1907 the total was 5,156, of which 49 were national, 77 district and 5,030 local. At the end of 1908 the aggregate membership of these trade unions was 482,279, compared with 501,094 at the end of 1907. There has therefore been during the 12 months an increase of 6 per cent. in the number and a decrease of 3.8 per cent. in the membership of the unions. The total receipts of the unions in 1908 amounted to £388,708, and the total expenditures to £348,125; the corresponding figures for 1907 being £338,365 and £297,822 respectively. At the end of the year the funds of the unions amounted to £415,765, as compared with £366,918 in 1907. The foregoing figures are exclusive of strike funds, for which the subscriptions were £170,975, and the disbursements £60,605 in 1908.

Phosphorus in Matches.

A law was passed forbidding the use of white or yellow phosphorus in the manufacture of matches or the sale of such matches. In cases of bodily risk or danger

to health in substances for igniting matches the Minister of Commerce is empowered to intervene, and he is also authorized to collect details of new processes of matchmaking in the interests of public safety.

BELGIUM

Prohibition of White Lead.

A law of August 20, 1909, prohibits the sale, transport and use of white lead for painting, whether in the form of powder, lumps or cakes, and permits its sale, transport and use in such forms for other purposes only under conditions and within limits to be fixed by Royal decree. White lead for use in painting may only be sold, transported and used in the form of paste, crushed and softened by means of oil. With the approval of the Higher Council of Public Health the sale, transport and use of other products in which lead is the principal ingredient, and which are used in painting, may be partially or wholly prohibited, whether such products are in the form of powder, lumps or cakes. Dry scraping and dry pumicing of surfaces covered with white lead are prohibited.

HOLLAND

Unemployment.

A decree was published appointing a Royal Commission on unemployment. It is to enquire into the means at the disposal of the government for becoming quickly and fully informed as to the state of the home labour market and the extent and nature of unemployment in the various trades, and how they should be supplemented; also what it is possible for the government to do, either by assisting persons or bodies, or by independent action, to avert or combat unemployment and to mitigate its effects. The Commission consists of 37 members in addition to the chairman and secretary, and includes members of parliament, officials of trade unions and employers' associations, clergymen and state and civic functionaries.

ITALY

Night Work by Women.

A Royal decree has been published giving effect in Italy to the regulation by the International Convention at Berne prohibiting night work by women employed in industries.

CITIES IN ONTARIO.

Names of Mayors from Date of Incorporation to the Year 1910.

BELLEVILLE, INCORPORATED 1[illegible]

Alexander Robertson 1878-9
R. S. Patterson 1880-1
Nelson Lingham 1882-3
Jas. W. Dunnett 1884-5
H. McInnes .....[illegible]
W. H. Biggar 1887
Dr. B. S. Wilson 1888
W. J. Diamond 1889
George S. Tickell 1890
E. Guss Porter 1891
C. Bogart 1892
F. S. Wallbridge 1893
J. E. Walmsley 1894-5-6
J. W. Johnson .....1897-8-9-'0
R. J. Graham 1901-2-3
W. W. Chown 1904
Chas. N. Sulman 1905-6-7
A. McFee 1908
L. W. Marsh 1909-10

BRANTFORD, INCORPORATED 1877.

James W. Digby, M.D. 1877
Robert Henry 1878-9
Reginald Henwood, M.D. 1880-1
William Watt 1882-3
W. J. Scarfe 1884-5
C. E. Boggs .....[illegible]
Robert Henry 1887
C. E. [illegible] .....[illegible]
S. G. Read 1890-1
Levi Secord, M.D. 1892-3
George Watt 1894-5
Thomas Elliott 1896-7
W. G. Reymond 1898-9
H. [illegible] .....[illegible]
D. B. Wood 1901-2
M. K. Halloran 1903-4
C. H. Waterous 1905-6
J. W. Bowlby, K.C. 1907-8
W. Burrows 1909
W. B. Wood 1910

CHATHAM, INCORPORATED 1895.

Manson Campbell 1895-6
Henry Smyth 1897
H. A. Patterson 1898
T. A. Smith .....1899-'0
G. W. Sulman 1901-2
W. E. McKeough 1903-4
George W. Cowan 1905
W. S. Marshall 1906
Wm. Stone 1907
Thos. Scallard 1908
W. H. Westman 1909
Charles Austin 1910

FORT WILLIAM, INCORPORATED 1907.

James Murray .....[illegible]
L. L. Peltier 1909-10

GUELPH, INCORPORATED 1879.

George Howard 1879
George Sleeman 1880-1-2
Caleb Chase 1883-4
Wm. Stevenson 1885-6
A. H. Macdonald 1887-8
Thomas Gowdy 1889-90
Thomas Goldie 1891
Thomas Goldie [illegible] 1892
George Sleeman [illegible] 1893
[illegible] .....[illegible]
John A. Lamprey 1895-6
James Hewer 1897-8
R. E. Nelson .....1899-'0
John Kennedy 1901-2
John H. Hamilton 1903-4
George Sleeman 1905-6
John Newstead 1907-8
G. Hastings 1909-10

HAMILTON, INCORPORATED 1847.

Colin C. Ferrie 1847
Geo. C. Tiffany 1848
W. L. Diston 1849
John Fisher 1850
John R. Holden 1851
Nehemiah Ford 1852
W. G. Kerr 1853
James Cummings, 3 months....1854
Chas. Magill, 9 months 1854-5
Jas. Cummings 1856
John F. Moore 1857
Geo. H. Mills 1858
Henry McKinstry 1859-60-1
Robt. McElroy 1862-3-4
Chas. Magill 1865-6
Benjamin E. Charlton 1867
Hutchinson Clark 1868
Jas. E. O'Reilly 1869
George Murison 1870
D. B. Chisholm 1871-2
Benjamin E. Charlton 1873-4
George E. Roach 1875-6
F. E. Kilvert 1877-8
Jas. E. O'Reilly 1879-80-1
Chas. Magill 1882-3
J. J. Mason 1884-5
Alex. McKay 1886-7
Wm. Doran 1888-9
David McLellan 1890-1
Peter C. Blaicher 1892-3
A. D. Stewart 1894-5
Geo. E. Tuckett 1896
Ed. A. Colquhoun 1897-8
J. V. Teetzel .....1899-'0
John S. Hendrie 1901-2
A. [illegible] .....[illegible]
S. D. Biggar 1905-6
T. J. Stewart 1907-8
J. J. McLaren 1909-10

KINGSTON, INCORPORATED 1846.

John Counter 1846
Thomas Kirkpatrick 1847
William Fore, Jr. 1848
Francis Manning Hill 1849
John Counter 1850
Francis Manning Hill 1851
John Counter 1852-3
John Flannagan 1854
John Counter 1855
O. S. Gildersleeve 1856
George Davidson 1857
John Flannagan... 1858

Names of Mayors.—*Continued.*

KINGSTON.—CONTINUED.

O. S. Strange .....1859-'0
O. S. Gildersleeve 1861-2
John Creighton 1863-4-5
John Bredin 1866-7-8
William Robinson .....1869-'0
Arch. Livingston 1871
S. T. Drennan 1872
H. Cunningham 1873
Michael Sullivan 1874-5
Byron M. Britton 1876
John McKelvey 1877
John McIntyre 1878
C. F. Gildersleeve 1879
Robert J. Carson 1880
E. J. B. Pense 1881
John Gaskin 1882
Charles Livingstone 1883
Jas. McCammon 1884
Edw. H. Smythe 1885
John L. Whiting 1886
John Carson 1887
Jas. D. Thompson 1888-9
W. M. Drennan 1890-1
D. M. McIntyre 1892
N. C. Polson 1893
John Herald, M.D. 1894
Clark W. Wright 1895
Robert F. Elliott 1896
J. S. Skinner 1897
C. Livingstone 1898
E. Ryan, M.D. 1899
J. A. Minnes 1900
R. E. Kent 1901
J. M. Shaw 1902
J. H. Bell 1903-4
R. N. F. McFarlane 1905
J. McDonald Mowatt 1906-7
A. E. Ross, M.D. 1908
D. Cooper 1909-10

LONDON, INCORPORATED 1855.

Murray Anderson 1855
William Barker 1856
Elijah Leonard 1857
David Glass 1858
William McBride 1859
James Moffatt 1860
F. E. Cornish 1861-2-3-4
David Glass 1865-6
Frank Smith 1867
Wm. S. Smith 1868
John Christie \
S. H. Graydon / 1869
S. H. Graydon 1870
J. M. Cousins 1871
John Campbell 1872
A. McCormick 1873
Benjamin Cronyn 1874-5
D. C. McDonald 1876
Robert Pritchard 1877
Robert Lewis 1878-9
John Campbell 1880-1
E. Meredith 1882-3
C. S. Hyman 1884
Henry Beecher 1885
T. D. Hodgins 1886
James Cowan 1887-8
George Taylor 1889-90-1
W. M. Spencer 1892
E. T. Essery 1893-4
John W. Little 1895-6-7
John D. Wilson, M.D. 1898-9
Frederick G. Rumball 1900-1
Adam Beck 1902-3-4
Cl. T. Campbell, M.D. 1905
J. C. Judd 1906-7
Sam Stevley 1908-9
J. H. A. Beattie 1910

NIAGARA FALLS, INCORPORATED 1903.

George Hannan 1903-4
Wm. Phemister 1905
Robert P. Slater 1906-7
R. F. Carter 1908
R. P. Slater 1909
O. E. Dores 1910

OTTAWA, INCORPORATED 1854.

J. B. Lewis 1855-6-7
Edward McGillivray 1858-9
Alexander Workman 1860-1-2
Henry J. Friel 1863
M. K. Dickenson 1864-5-6
Robert Lyon 1867
Henry J. Friel 1868-9
John Rochester 1870-1
E. Martineau 1872-3
J. P. Featherstone 1874-5
G. B. L. Fellows 1876
W. H. Waller 1877
C. W. Bangs 1878
C. H. Mackintosh 1879-80-1
P. St. Jean 1882-3
C. T. Bate 1884
Francis McDougal 1885-6
McLeod Stewart 1887-8
Jacob Erratt 1889-90
Thos. Birkett 1891
Olivier Durocher 1892-3
George Cox 1894
Wm. Borthwick 1895-6
Samuel Bingham 1897-8
Thos. Payment .....1899-'0
W. D. Morris. . \
Jas. Davidson / 1901
Fred Cook 1902-3
J. A. Ellis 1904-5-6
D'Arcy Scott 1907-8
C. Hopewell 1909-10

PETERBOROUGH, INCORPORATED 1905.

Henry Best 1905-6
R. F. McWilliams 1907
Harry Rush 1908-9
W. G. Morrow 1910

PORT ARTHUR, INCORPORATED 1907.

G O. P. Clavet 1907
J. J. Carrick 1908
I. Matthews 1909-10

STRATFORD, INCORPORATED 1885.

William Jordan 1885
Chas. J. McGregor 1886-7
Henry S. Butler 1888-9

Names of Mayors.—*Concluded.*

STRATFORD.—CONTINUED.

John Brown 1890-1
Elijah Hodgins 1892
John C. Monteith 1893-4
Wm. Davidson 1895-6
John O'Donoghue 1897-8
James Hodd .....1899-'0
James Stamp 1901-2
William Hepburn 1903-4
W. J. Ferguson 1905-6
Wm. Gordon 1907-8
D. S. Dingman 1909-10

ST. CATHARINES, INCORPORATED 1876.

Calvin Brown 1876
Luceus S. Oille 1878
Henry Carlisle 1879
Patrick Larkin 1882
R. H. Smith 1884
Henry A. King 1885
John E. Cuffe 1887
John B. McIntyre 1889
Edwin Goodman 1891
Donald Robertson 1893
John C. Rykert 1895
Wm. B. Gilleland 1897
M. Y. Keating 1899
John B. McIntyre 1901
Wm. B. Burgoyne 1903
A. W. Marquis 1904
Theo. Sweet 1905
Andrew Riddell 1906-7
John S. Campbell, Col.....1908-9
J. M. McBride 1910

ST. THOMAS, INCORPORATED 1881.

W. C. VanBuskirk 1881-2
E. W. Custin 1883
E. Horton 1884-5
J. E. Smith 1886
John Midgely 1887-8
Israel Morse .....1889-'0
Robert McCully 1891-2
George L. Oill 1893-4
W. E. Isdardi 1895-6
F. W. Wright 1897-8
P. Meehan .....1899-'0
S. Chant 1901-2
C. F. Maxwell 1903-4
Thomas Meek 1905
Calvin Lawrence 1906-7
Geo. Geddes 1908-9
Fred Gues, M.D. 1910

TORONTO, INCORPORATED 1834.

William Lyon Mackenzie 1834
Robt. Baldwin Sullivan 1835
Thos. D. Morrison 1836
George Gurnett 1837
John Powell .....1838-9-'0
George Munro 1841
Hon. Henry Sherwood, Q.C.....1842-3-4
Wm. H. Boulton 1845-6-7
George Gurnett .....1848-9-'0
John G. Bowes 1851-2-3
J. G. Beard .....
J. B. Robinson 1854
G. W. Allan 1855
J. B. Robinson 1856
John Hutchinson 1857
W. H. Boulton .....
D. B. Read, Q.C. 1858
Adam Wilson, Q.C. 1859
Adam Wilson, Q.C. .....
John Carr, Pres. 1860
J. G. Bowes 1861-2-3
F. H. Medcalf 1864-5-6
James E. Smith 1867-8
S. B. Harman 1869
S. B. Harman .....
G. D'Arcy Boulton, Pres. 1870
Joseph Sheard 1871-2
Alexander Manning 1873
F. H. Medcalf .....
John Baxter, Pres. 1875
Angus Morrison, Q.C. 1876
Angus Morrison, Q.C. .....
P. G. Close, Pres. 1877
Angus Morrison, Q.C. 1878
James Beatty, Jr., Q.C. 1879-80
W. B. McMurrich 1881-2
A. R. Boswell 1883-4
Alexander Manning 1885
W. H. Howland 1886-7
E. F. Clarke 1888
E. F. Clarke .....
John McMillan, Pres. 1899
E. F. Clarke 1890-1
R. J. Fleming 1892-3
Warring Kennedy 1894-5
R. J. Fleming 1896
R. J. Fleming .....
John Shaw 1897
John Shaw 1898-9
E. A. Macdonald 1900
O. A. Howland 1901-2
Thos. Urquhart 1903-4-5
Emerson Coatsworth 1906-7
Joseph Oliver 1908-9
G. R. Geary 1910

WEST TORONTO, INCORPORATED 1908.

A. W. Baird 1908-9
(United with Toronto City 1909.)

WINDSOR, INCORPORATED 1892.

O. E. Fleming 1892-3
J. H. Beattie 1894
D. Willis Mason 1895-6
John Davis .....1897-8-9-'0-1
J. F. Smythe 1902
J. W. Drake 1903-4-5
Ernest S. Wigle 1906-7-8-9
J. W. Hanna 1910

WOODSTOCK, INCORPORATED 1901.

John Mearns 1901-2
John White 1903-4
James S. Scarff 1905
John Butler 1906-7
R. G. Sawtell 1908-9
J. S. Scarff 1910

APPENDIX.

The following returns were received too late for insertion in their proper places or in the tables.

MUNICIPAL.

Blind River, Tn.—Good openings for saw mills and planing mills, sash and door factories. Number of buildings erected about 12; cost about $30,000. Amount expended on permanent improvements $2,400. John Muncaster, Jr., Town Clerk, Blind River.

Escott Front, Tp.—Factory for whey butter started. Number of buildings erected 2; cost about $1,100. Amount expended on permanent improvements $629. F. T. Hutchison, Township Clerk, Escott.

McKim, Tp.—Good opening for brick yard. Number of buildings erected 2; cost $2,000. Amount expended on permanent improvements $988. S. Fournier, Township Clerk, Sudbury.

Mara, Tp.—Amount expended on permanent improvements $4,000. Amount expended on sanitation $50. W. R. McPhee, Township Clerk, Brechin.

Tay, Tp.—Good openings for all kinds of industries. Grand Trunk Pacific [illegible] at Tiffin; cost about $1,500,000. T. W. Brown, Township Clerk, Victoria Harbour.

MANUFACTURERS.

Planing Mill.—Capital $25,000; days in operation 300; gross value of product $50,000; production increased 10 per cent.; taxes paid $500, insurance paid $[illegible]; amount expended in material, etc., $42,000; total number of employees 20; total wages paid $10,000; wages increased 10 per cent.; average yearly earnings $500; average daily rate of pay $1.67; per cent. wages of product 20; per cent. cost of material, interest, insurance, taxes, etc., and profit 80.

Brick, Tile and Pottery.—Capital employed $20,000; days in operation 175; gross value of product $15,550; production same; taxes paid $30; insurance paid $[illegible]; invested in plant, etc., $[illegible]; expended in material, etc., $4,000; total number of employees 50; total wages paid $[illegible]; average yearly earnings $288.70; average daily rate of pay $1.65; per cent. wages of product 50.

Brick, Tile and Pottery.—Capital $15,000; days in operation 300; gross value of product $14,000; production same; taxes paid $100; insurance paid $220; expended on material, etc., $1,200; total number of employees (wage-earners) 5; total wages paid $3,000; clerks and officials 4; salaries paid $1,900; average yearly earnings $514.15; average daily rate of pay $1.81; per cent. wages of product 35; per cent. cost of material, interest, insurance, taxes, etc., and profit 65.

Brick, Tile and Pottery.—Capital $15,000; days in operation 200; gross value of product $10,200; production increased slightly; taxes paid $30; insurance paid $30; expended on material etc., $9,154; total number of employees 16; total wages paid $6,052; average yearly earnings $378.25; average daily rate of pay $1.89; per cent. wages of product 59; per cent cost of material, interest, insurance, taxes, etc., and profit 41.

BINDING SECT. AUG 24 1967